MHHS PROGRAMME

Programme Steering Group #37
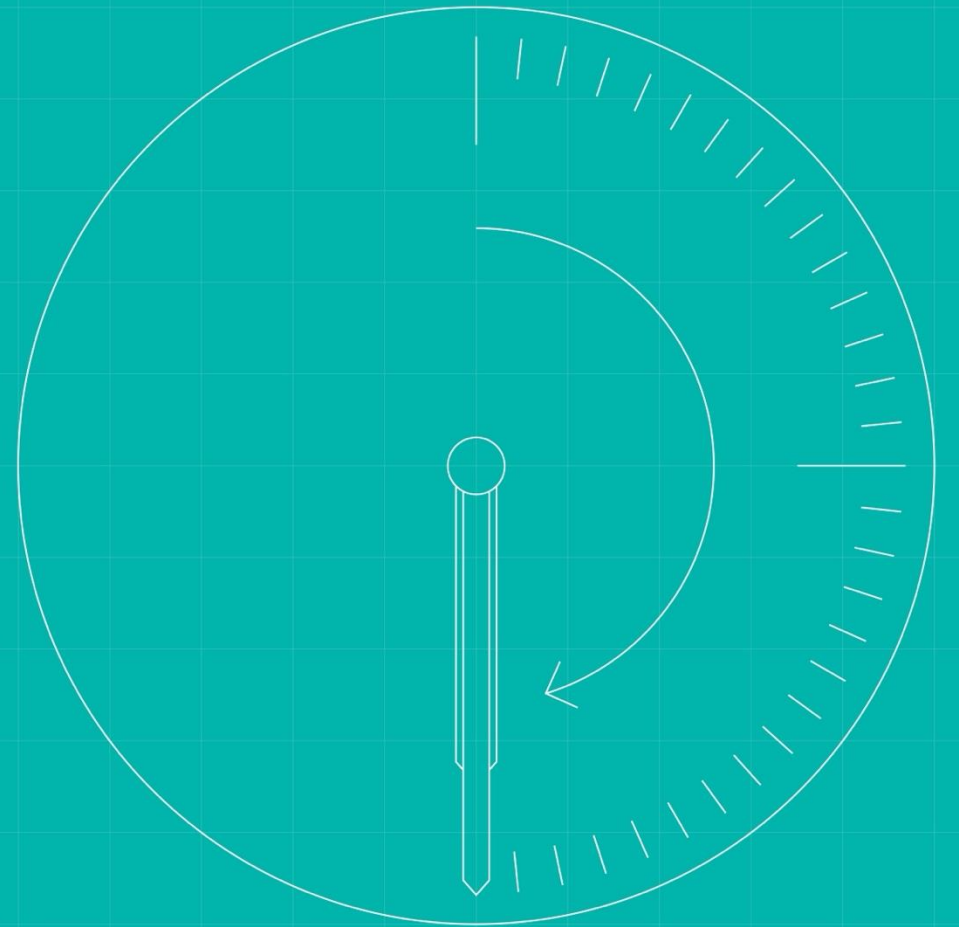# 02 October 2024

Agenda

#	Item	Objective	Type	Lead(s)	Time	Page
1	**Welcome**		-	Chair	10:00-10:05 *5 mins*	1
2	**Headline Report and Actions**	Approve headline report of previous meeting and actions review	Decision	Chair & Secretariat	10:05-10:15 *10 mins*	3
3	**Testing Update**	Updates from the Programme on end of Cycle 2	Information	Programme (Keith Clark)	10:15-10:35 *20 mins*	5
4	**M10 Planning Update & CR055**	• Programme to provide update on plan for M10 • Amendments to POAP post Industry Dialogue Session	Information	Programme (Lewis Hall)	10:35-10:50 *15 mins*	12
6	**Delivery Dashboards**	Questions from PSG members on delivery dashboard content	Information	Chair	10:50-11:10 *20 mins*	16
7	**Summary and Next Steps**	Summarise actions and decisions, and look ahead to next meeting	Information	Chair & Secretariat	11:10-11:15 *5 mins*	53
	Appendix	RAID Theme Slides				

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Headline Report and Actions

DECISION: Approve minutes and review actions

Chair & Secretariat

10 mins

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Headline Report and Actions

1. Approval of PSG 04 September 2024 Headline Report
2. Review of actions:

Ref	Action	Owner	Due	Latest Update
PSG36-01	Programme to explore the process for sharing FTIG slides with wider industry.	Programme	02/10/2024	RECOMMEND CLOSED: Programme will maintain the existing process. Information disseminated to FTIG is designated for FTIG members, with any relevant information being appropriately distributed to the respective governance groups.
PSG36-02	Programme to analyse and provide clarity over the number of additional test Cases in RTTM Gap Analysis.	Programme	02/10/2024	ONGOING: All SIT Functional Tests identified by code bodies have been baselined. Ongoing role-based gap analysis for RTTM completion may mean further gaps identified, but these will undergo version control.
PSG36-03	Programme to liaise with Citizens Advice for future Change Request References to consumer impacts.	Programme	Ongoing	RECOMMEND CLOSED: A new Citizens Advice Representative, Andy Manning, has been confirmed as a PSG Principal Contact and will receive all Change Request communications and requests, and thus feed into future Impact Assessments.
PSG36-04	Programme to explore ways to display the status of the overall Programme.	Programme	02/10/2024	ONGOING: Slide displaying Programme Status by workstream has been added into October PSG Delivery Dashboards.
PSG35-04	Ofgem to provide an update on incentives for migration activity. This update should clarify Ofgem's stance and any requirements or qualifications necessary for parties involved in migration.	Ofgem	04/09/2024	RECOMMEND CLOSED: Ofgem provided verbal update at September PSG.
PSG34-01	Elexon Settlement Analysis model to be issued to Participants as soon as constructed and to update Participants on any changes to the 4-week construction timeline.	Programme / Elexon	07/08/2024	ONGOING: Elexon have reviewed progress with cleansing the data provided by the supplier with support from Gareth Evans and Graham Wood. Elexon are progressing with and now engaged with additional suppliers in order to enrich the data set. As a result of this Elexon are setting a cutoff point for the data collation of end of September and will instruct 3rd Party to commence preparation of the model at the start of October with an expectation of a 12 working day turnaround for completion.
PSG34-02	Programme to provide an update on post-M10 Change Management.	Programme	07/08/2024	ONGOING: Programme provided update at PSG 07 August 2024 and will provide further updates as they are required.
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.

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Testing Update
End of SIT Cycle 2

Information: Updates from the Programme on end of Cycle 2

Programme (Keith Clark)

20 mins

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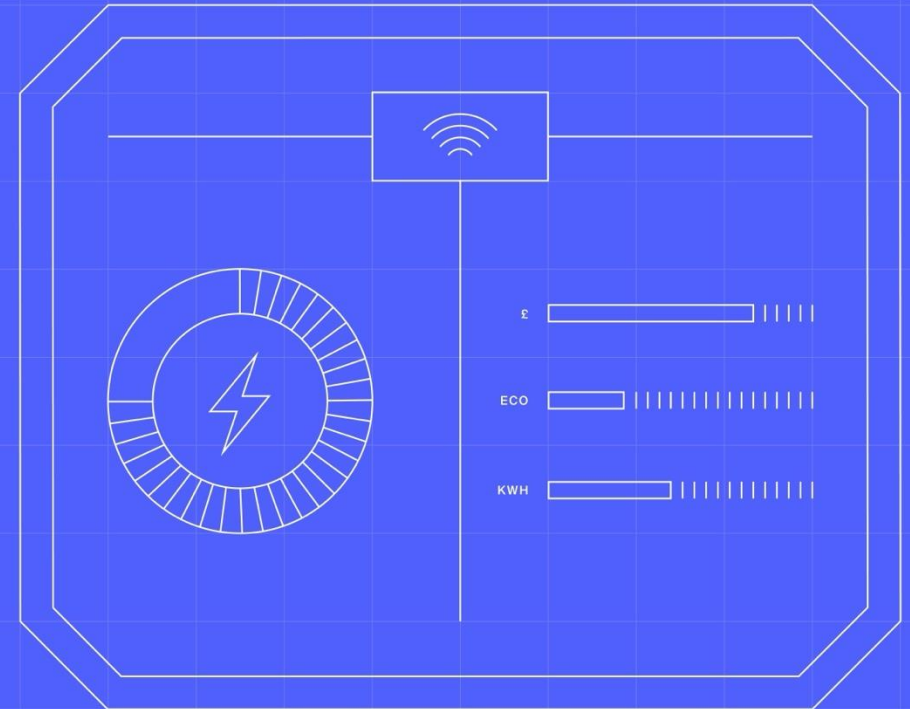
Why did we extend Cycle 2 and how beneficial was the extension?

- Cycle 2 was extended by 5 weeks to accommodate 2 completion sprints (Sprints 4.1 and 4.2)

- Completion sprints used essentially the same test case backlog as Sprint 4 – to try to get closer to Cycle 2 targets
  - maintaining the same backlog meant using test preparation already initiated / conducted in Sprint 4, providing the best opportunity for faster test velocity

- Sprints 4.1 and 4.2 have shown an encouraging increase in SITF / SITM test velocity in several (MVC) cohorts and specific Cycle 2 target parameters have either been reached or are much closer to being reached
  - 3 of 4 MVC cohorts have met CR055-assumed test velocity; design coverage met; most MPRS parameters met; 8 of 9 key SITM tests passed

- Settlement testing has been more difficult, but Cycle 2 (and especially Sprints 4.1 and 4.2) have been dealing with multiple challenges and resulting in better progress; lessons learned will help drive a stronger Cycle 3 start in SIT-B based on revised short-term timeline

What have we been doing to set up for a successful Cycle 3?

- Having secured Participants' agreement to waive anonymity, during the 5-week extension we have been able to start setting up test tooling (single ADO project) for a more efficient operation in Cycle 3, which will also provide better test backlog visibility and manageability

- Proposal for reducing the Participant burden of evidence submission, managed and tracked within ADO, is being developed and agreed with industry (including Code Bodies) – several Cohorts have said this will enable faster test velocity

- Test case rationalisation – to remove test cases which cover the same requirements in the same way – is an ongoing activity based on RTTMs
  - in the specific case of Settlement testing, a proposed test case rationalisation has already been defined and shared with industry

- The 4-week SIT-A maintenance window has allowed for a lower-risk path to test data preparation

- In Sprint 4.2, the programme has been monitoring progress vs. the CR055-assumed execution model (and Cohorts' own proposed models) – these will be a key reference point for gauging progress through Cycle 3

End of Sprint 4.2 / Cycle 2 Status

SIT Functional and Migration:

➢ Cohorts continued to draw assigned SIT F and SIT M tests to conclusion in Sprints 4.1 and 4.2, these additional 'Completion Sprints' proved critical to enable significant gains towards the key success targets - *for several Cohorts, a significant uplift in points achievement has been witnessed in the final sprints*

➢ Additional tests were assigned in the completion sprints where Cohorts had capacity and a realistic prospect of completing by the end of Cycle 2 / IR7

➢ At the end of Cycle 2 the overall percentage of Failed and Blocked assigned tests is relatively low and test coverage targets have largely been met

➢ SIT Migration Non-SIT LDSO priority test objectives – 8 of 9 Passed by 1 or more Cohorts:

  ➢ One priority test 'SIT-M-FM-COA-REL-MPAN-TC4 - Smart Meter (NHH)' is on hold due to defects with missing IF-036s for Related MPAN (39963 & 39202); fix due for Cycle 3

➢ Open Defects - Resolution plans are in place for Sev 1 & 2 Central Party and Programme defects, Defect Management continue to seek confirmed resolution plans for ongoing Internal Cohort defects

SIT Settlement:

➢ Although ST-030 settling normally has not been passed by any cohort, PPs have attempted each of the test steps within at least 1 cohorts and market roles BUT to do so some local workarounds have had to be employed, and several Defects have been raised that require resolution to enable clean completion of the test case

➢ Participants have managed to get to the last set of test steps for each settlement run and generate and send the DUoS Charges (REP-901) and Distribution Invoice (REP-900) from an LDSO to Suppliers

➢ Completion of the TC is currently prevented by a number of defects relating to the sending / receipt or content of the new Settlement Output Reports ('REPS') – fixes are being targeted for implementation either during or just after the Maintenance Window

➢ Helix has created a series of guidance videos to assist with PP queries relating to reports reconciliation and these are available alongside the Settlement Accuracy Reports. These can be used by cohorts during the maintenance window to check and reconcile reports off-line

➢ Guidance has been issued to PPs in the last week of Sprint 4.2 advising that the 'Settling Normally' TC can be continued moving from IR7 - IR8

Targets for Test Success – Status as at end of Cycle 2

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

Test stage	Proposed criteria for firm targets, based on 'minimum viability' to proceed into IR8.2 maintenance window	Status
SIT Functional Testing Cycle 2	• Number of passed tests (by the MVC cohorts) have met or exceeded the numbers set out in their respective agreed cohort execution models and	3 of 4 MVC Cohorts have met CR055-assumed velocity

	• Design coverage has been progressed adequately, according to business process-related measures
	  o % Tests Executed > 85% across all themes for all allocated tests (excluding settlement – Theme 8)
	  o % Tests Passed > 60% across all themes for all allocated tests (excluding settlement – Theme 8)
		Met
		87%
		84%

	and
	• MPRS has been sufficiently exercised with key parameters passed (to manage readiness for non-SIT LDSO testing start):
	  o 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
	  o At least one UMS test successfully concluded from within each of Test Themes 1, 2, 3 and 4
		Advanced - Met
		Smart - Not Met in 1 Theme
		UMS - Met

	o No Open Severity 1 or Severity 2 Defects exist based on testing conducted to date	Not Met – but Cycle 3 start has resolution plans in place for 40/41 Central and Programme Defects (1/41 with resolution plan still to be agreed)
Settlement Testing (target for release of SIT-B)	• Completion, by any 2 Cohorts, of Settling Normally Tests (SET 1) and • Completion, by any 2 Cohorts, of Settlement Accuracy Tests (SET 2) • Completion, **by remaining Cohorts**, of (SET 1), so that all Cohorts complete this TC to ensure their requirements test coverage and • Completion, by min 2 MVC candidates, of Market Role Qualification Tests (SET 3)	**Not Met -** Targets under review – socialised with FTIG weekly, since 30-Aug-24
SIT Migration Testing Cycle 2	• 5 stated Forward Migration CoA tests and 4 stated Forward Migration CoS test cases passed by at least 1 cohort (needed for non-SIT LDSO testing) and	Not Met: 4 of 5 CoA (1 is blocked but defect fix for Cycle 3 start) 4 of 4 CoS
	• Number of passed tests (by MVC cohorts) has met or exceeded the numbers set out in their respective agreed cohort execution models	3 of 4 MVC Cohorts have met CR055-assumed velocity

End of Sprint 4.2 / Cycle 2 - Next Steps

- **IR8.x Maintenance Window:**
  - 23-Sep to 04-Oct - SIT-B (Settlement Accuracy Testing)
  - 23-Sep to 18-Oct - SIT-A (SIT F Cycle 3 and SIT M)

- As per the continuation of 'ST0030 TC01 - Settling Normally' guidance, during the Maintenance Window, Participants are encouraged to continue the OFF-LINE reconciliation of the Settlement Output Reports created in Cycle 2 against the values contained within the Settlement Accuracy Input Reports (SAIRs)

- 07-Oct - Programme cutover to the **New Master ADO project** implementation, access and learning sessions to be held in w/c 30th Sept (more on this later…)

- **Data** checking activities to complete with DCC and SCS on 20-Sep. Engagement with Cohorts to be scheduled 2nd week of window to review data.

- **Stand ups will pause in the Maintenance Window**, but Cohorts to look out for invites to **Preparation Stand-Ups** being scheduled in the week prior to test execution:
  - w/c 30-Sep (SIT-B Testing)
  - w/c 14-Oct (SIT-A Testing)
- **Cycle 2 Programme Retrospective** being held on 08-Oct

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Overall Cohort Points Achievement (SIT F & SIT M) vs model proposed as part of CR055

SIT Functional Cycle 2 / SIT Migration Target - Number of passed tests (by the MVC cohorts) have met or exceeded the numbers set out in the execution model assumed in CR055:

	Cycle 1		Cycle 2					
	SIT Cycle 1	MW7.3	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Sprint 4.1	Sprint 4.2
week ending	*24/05/2024*	*14/06/2024*	*28/06/2024*	*12/07/2024*	*26/07/2024*	*16/08/2024*	*30/08/2024*	*20/09/2024*
Programme MVC Model	**680**	**680**	**890**	**1100**	**1400**	**2220**	**3400**	**4700**
Test Points per sprint (MVC)	680	0	100	90	510	360	650	1300
Programme Non-MVC model	350	350	600	900	1300	1800	2350	2950
Test Points per sprint (Non-MVC)	350	0	250	300	400	500	550	600
Cohort A	680	680	780	870	1380	1740	2390	5150
Points per sprint - cohort A	680	0	100	90	510	360	650	2760
Cohort B	390	390	600	810	1110	1930	3480	5460
Points per sprint - cohort B	390	0	210	210	300	820	1550	1980
Cohort C	330	330	440	670	890	1260	1910	3020
Points per sprint - cohort C	330	0	110	230	220	370	650	1110
Cohort E	260	260	300	400	510	670	890	1970
Points per sprint - cohort E	260	0	40	100	110	160	220	1080
Cohort F	510	510	540	790	1150	2050	2980	5620
Points per sprint - cohort F	510	0	30	250	360	900	930	2640
Cohort G	320	320	350	460	700	940	1220	2860
Points per sprint - cohort G	320	0	30	110	240	240	280	1640
Cohort H	210	210	330	770	930	1650	2410	3560
Points per sprint - cohort H	210	0	120	440	160	720	760	1150
Cohort J	550	550	640	740	1120	1550	2200	3340
Points per sprint - cohort J	550	0	90	100	380	430	650	1140

Cycle 2 End Status – 3 of 4 MVC Cohorts had exceeded the modelled points targets (SIT F & M combined points achievement)

Overall Cohort Points Achievement (SIT F & SIT M) vs model proposed as part of CR055
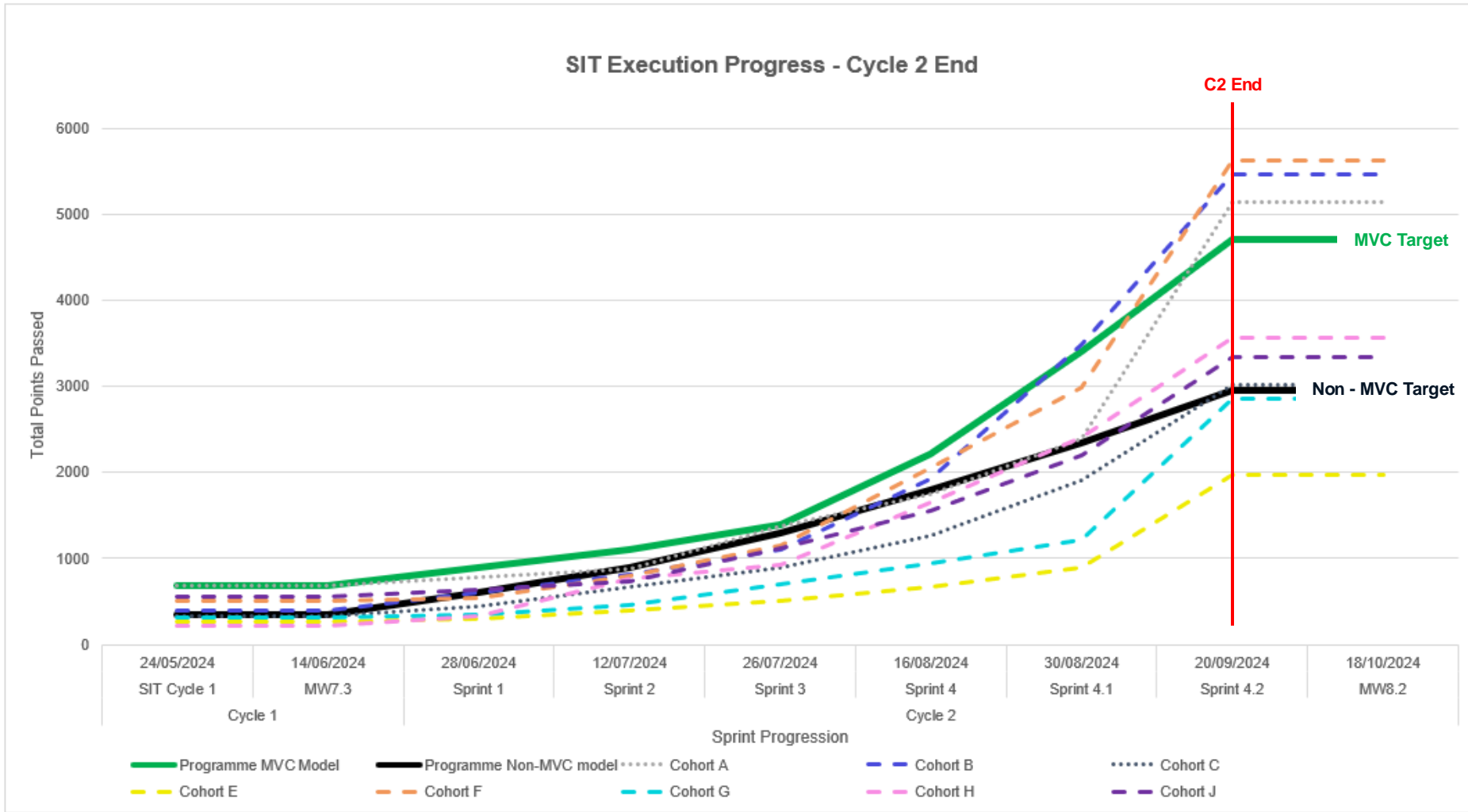
SIT F & M Combined Points Achievement:

- 3 MVC Cohorts (F, B and A) exceeded the assumed CR055 MVC model points targets

- 2 Non-MVC Cohorts (H and C) exceeded the assumed CR055 non-MVC model points targets

- Extrapolation supports CR055 timescales

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M10 Planning Update

Information: Programme to provide update on plan for M10 and amendments to POAP post Industry Dialogue Session

Programme (Lewis Hall)

15 mins

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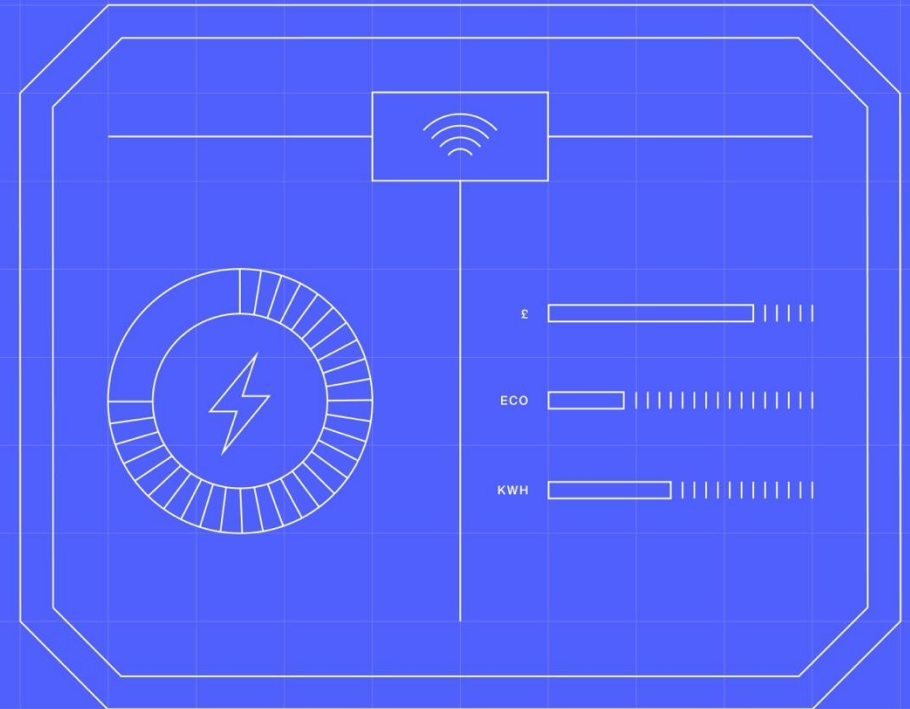
Update on CR055: Activities this week

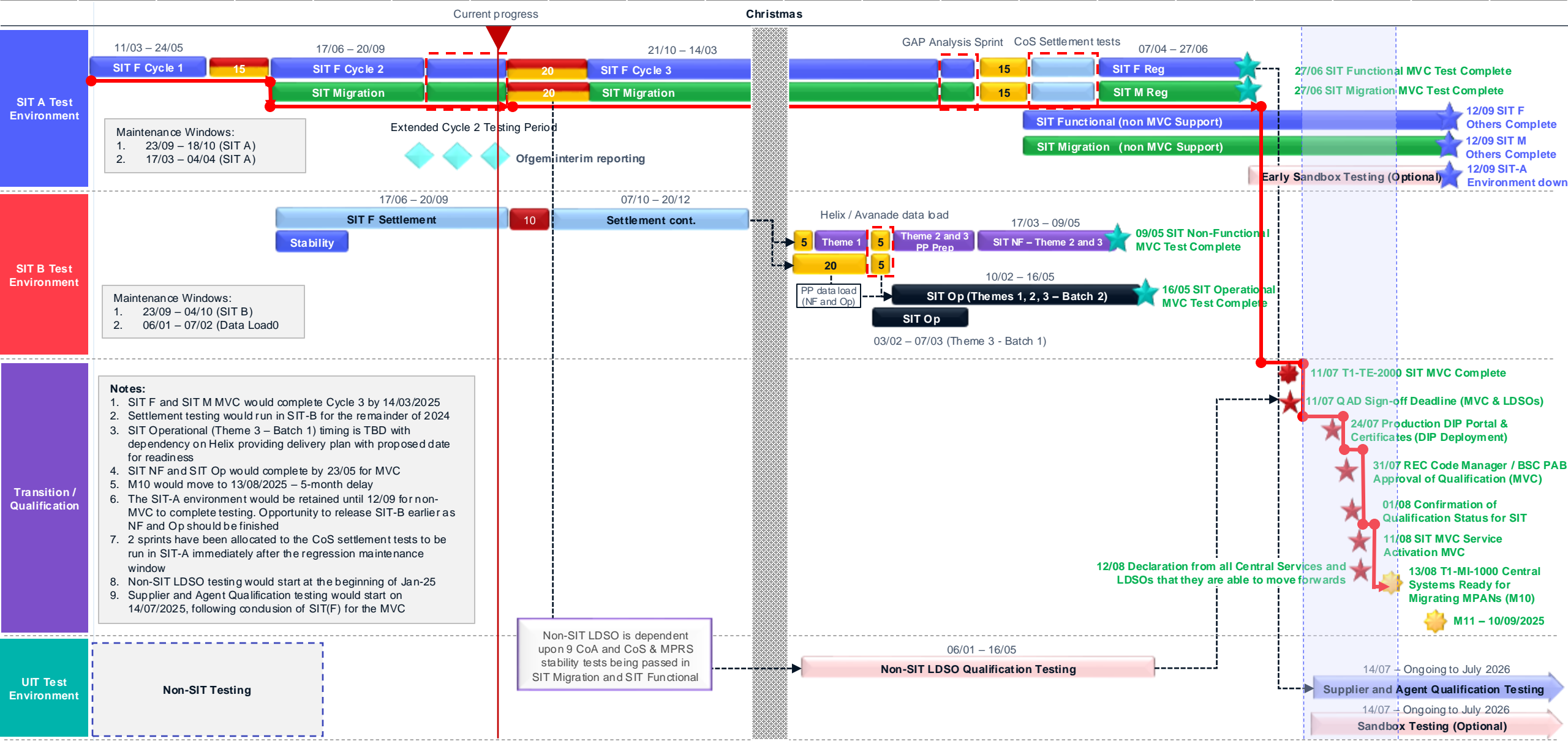| Update item	Further detail
Change Board	• Change Board sat on 18-Sep-24 to review CR055 - approval for CR055 to go out for Impact Assessment obtained. • Change Request uploaded onto Collaboration Base with supporting documentation. • CR055 webinar took place, with good attendance, on 20-Sep-24. • Q&A document published on Collaboration Base on 24-Sep-24.
CR056	• CR056 *(Batching of ERDS to CSS Agent Appointment Files)* returned to Change Board on 18-Sep-24, after request for more information on approach and timelines for implementation. • The view of the Change Board was that this change is needed in advance of M10 and CR056 was approved to go out for Impact Assessment. Change Control Webinar took place on 25-Sep-24 and IA timelines TBD. • Following discussions with St Clements to understand build and test effort it is assumed that, if this CR is approved, it can be incorporated into the existing timelines outlined in CR055 without impacting the critical path.
Ofgem engagement	• We met with Ofgem and IPA on 18-Sep-24 to provide an update on progress as well as initial feedback on the Dialogue Session. • Emphasis on the requirement for detailed evidence and justification in the Impact Assessment, specifically on cost and also retaining existing planning logic beyond M10 (ie. all milestones moving by c.5 months). • Ofgem aiming to make a decision by end of 2024.
Programme Plan	• The Programme Plan was uploaded onto the Collaboration Base on 24-Sep-24, with final supporting documentation. • IA window opened on 23-Sep-24 and will close at 17:00 04-Oct-24. • PMO team has fielded queries on planning information and received some feedback from PPs – Comments Log created to track and address these.

Proposed M10 timeline + critical path

Timeline spanning 2024 (Mar–Dec) and 2025 (Jan–Oct)

Current progress marker at early September 2024

Christmas marker at December 2024

SIT A Test Environment
- 11/03 – 24/05: SIT F Cycle 1 — 15
- 17/06 – 20/09: SIT F Cycle 2 — 20
- 21/10 – 14/03: SIT F Cycle 3
- SIT Migration — 20 — SIT Migration
- GAP Analysis Sprint — 15 — CoS Settlement tests
- 07/04 – 27/06: SIT F Reg — 15
- SIT M Reg
- 27/06 SIT Functional MVC Test Complete
- 27/06 SIT Migration MVC Test Complete
- SIT Functional (non MVC Support)
- SIT Migration (non MVC Support)
- Early Sandbox Testing (Optional)
- 12/09 SIT F Others Complete
- 12/09 SIT M Others Complete
- 12/09 SIT-A Environment down
- Extended Cycle 2 Testing Period
- Ofgem interim reporting

Maintenance Windows:
1. 23/09 – 18/10 (SIT A)
2. 17/03 – 04/04 (SIT A)

SIT B Test Environment
- 17/06 – 20/09: SIT F Settlement — 10
- 07/10 – 20/12: Settlement cont.
- Stability
- Helix / Avanade data load
- 5 — Theme 1 — 5 — Theme 2 and 3 PP Prep
- 17/03 – 09/05: SIT NF – Theme 2 and 3
- 09/05 SIT Non-Functional MVC Test Complete
- 20 — 5
- PP data load (NF and Op)
- 10/02 – 16/05: SIT Op (Themes 1, 2, 3 – Batch 2)
- SIT Op
- 03/02 – 07/03 (Theme 3 - Batch 1)
- 16/05 SIT Operational MVC Test Complete

Maintenance Windows:
1. 23/09 – 04/10 (SIT B)
2. 06/01 – 07/02 (Data Load0

Transition / Qualification

Notes:
1. SIT F and SIT M MVC would complete Cycle 3 by 14/03/2025
2. Settlement testing would run in SIT-B for the remainder of 2024
3. SIT Operational (Theme 3 – Batch 1) timing is TBD with dependency on Helix providing delivery plan with proposed date for readiness
4. SIT NF and SIT Op would complete by 23/05 for MVC
5. M10 would move to 13/08/2025 – 5-month delay
6. The SIT-A environment would be retained until 12/09 for non-MVC to complete testing. Opportunity to release SIT-B earlier as NF and Op should be finished
7. 2 sprints have been allocated to the CoS settlement tests to be run in SIT-A immediately after the regression maintenance window
8. Non-SIT LDSO testing would start at the beginning of Jan-25
9. Supplier and Agent Qualification testing would start on 14/07/2025, following conclusion of SIT(F) for the MVC

- 11/07 T1-TE-2000 SIT MVC Complete
- 11/07 QAD Sign-off Deadline (MVC & LDSOs)
- 24/07 Production DIP Portal & Certificates (DIP Deployment)
- 31/07 REC Code Manager / BSC PAB Approval of Qualification (MVC)
- 01/08 Confirmation of Qualification Status for SIT
- 11/08 SIT MVC Service Activation MVC
- 12/08 Declaration from all Central Services and LDSOs that they are able to move forwards
- 13/08 T1-MI-1000 Central Systems Ready for Migrating MPANs (M10)
- M11 – 10/09/2025

UIT Test Environment
- Non-SIT Testing
- Non-SIT LDSO is dependent upon 9 CoA and CoS & MPRS stability tests being passed in SIT Migration and SIT Functional
- 06/01 – 16/05: Non-SIT LDSO Qualification Testing
- 14/07 – Ongoing to July 2026: Supplier and Agent Qualification Testing
- 14/07 – Ongoing to July 2026: Sandbox Testing (Optional)

Key
- Maintenance window
- Data load only
- Parallel code uplift & data load
- Additional sprints
- Critical path
- Key dependency
- Ofgem Interim Reports

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Focal points to close out programme planning (20-Sep-24)

#	Planning item	Description	Direction of travel (20-Sep-24)	Status
1	Settlement Testing timelines	The revision of the Settlement testing (SIT-B) Exit Criteria needs to be completed, to determine the accuracy tests that need to be executed in SIT-B and those which could be picked up later in SIT-A via Functional testing.	Settlement testing will run through until the end of 2024 (20/12/2024). The CoS Settlement tests are currently scheduled to take place, in SIT-A, over a 4-week window after the Regression Test Data Load window. Starting on 07/04/2025.	Proposed position in CR055
2	SIT Operational start	As per later update, timescales proposed for Elexon Helix Service Management deliverables have a consequential impact on SIT Operational test material, preparation and therefore the start of SIT Operational testing.	SIT Operational scheduled to commence with Theme 3 – Batch 1 on 03/02/2025 and conclude by 16/05/2025.	Proposed position in CR055
3	SIT Non-Functional start	If SIT Settlement testing needs to be extended beyond the IR8.x maintenance window, then SIT Non-Functional testing start will be delayed.	SIT Non-Functional scheduled to commence on 13/01/2025 (Theme 1). Themes 2 and 3 will run from 17/03/2025 – 09/05/2025.	Proposed position in CR055
4	Non-SIT LDSO testing start	The start date for Non-SIT LDSO testing needs to be confirmed.	Non-SIT LDSO Test Start will commence on 06/01/2025 – 16/05/2025.	Proposed position in CR055
5	Supplier & Agent Qualification Test	Supplier and Agent Qualification test timelines in the plan are dependent on SIT Functional completing.	SIT Functional is going to extend beyond the current date of 03-Jan-25 and the start of Supplier and Agent Qualification test will move with it.	Proposed position in CR055
6	Initial QAD timelines	Timelines for the initial QAD submission for SIT, LDSO and Wave 1 Qualification participants need to be reviewed in line with plan changes.	The initial QAD window for SIT and Non-SIT LDSOs will open on 06/01/2025. For Wave 1 S&A Qualification participants this is 21/03/2025.	Proposed position in CR055
7	Gap Analysis outputs	The RTTM gap analysis identified additional SIT test cases that need to be incorporated into the Programme Plan timelines.	The number of additional test cases has stabilised at 25. It is still expected that this additional scope can be incorporated into 1 additional sprint.	Proposed position in CR055
8	M10 / M11 Window	The window between M10 and M11 is currently 1 month in the plan but this could be reduced, with minimal impact, to help mitigate an M10 delay.	The 4-week window between M10 and M11 will remain in place.	Proposed position in CR055
9	Beyond M10 – planning logic	Assessing activities and key milestones beyond M10 to understand impacts of an M10 delay.	The underlying logic within the plan (beyond M10) remains sound and there is no new evidence to change CR022 assumptions. There is no intention to constrain future activities or timelines to compensate for an M10 move.	Proposed position in CR055
10	Environment provision	The duration of time the SIT environments need to be stood up for after the MVC complete testing needs to be agreed.	The current plan has 11 weeks' additional SIT environment provision and this will remain the same in the CR055 proposed plan.	Proposed position in CR055
11	Regression testing	The duration of regression testing required at the end of SIT Cycle 3 needs to be agreed.	The 7-week timelines for regression testing is proposed to remain the same. The data load window has been extended to 15 days.	Proposed position in CR055

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Delivery Dashboards

INFORMATION: Questions from PSG members on delivery dashboard content

Chair

20 mins

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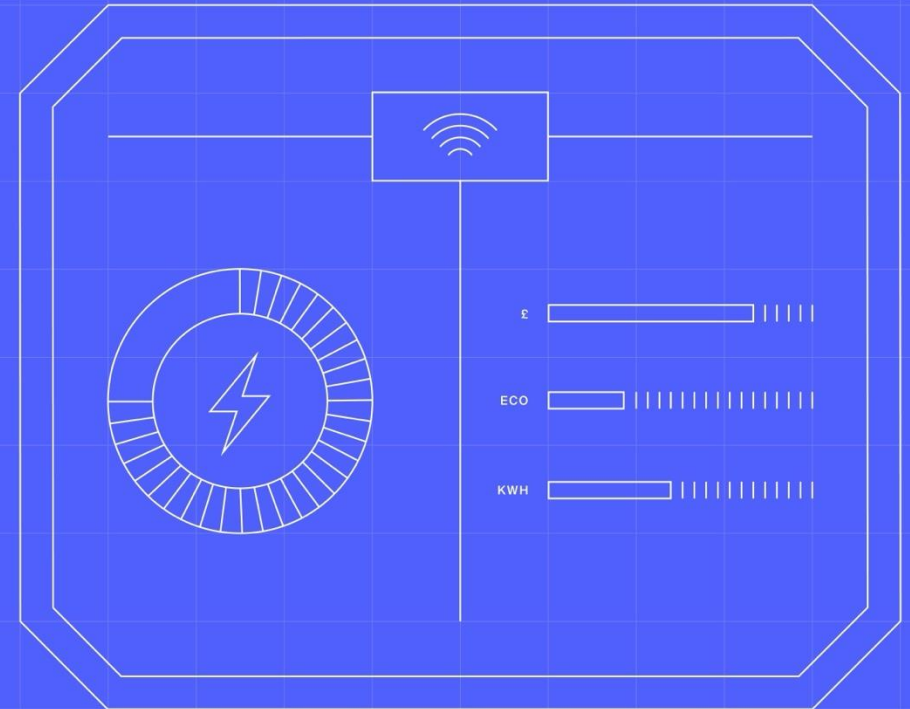
Programme Status (By Workstream)

On Track	**Path to Green is viable with measurable management plan in place**	**Path to Green is not viable without escalation and intervention**

Workstream	Last month	This month	Next Month *	Commentary
Design Management	🟩	🟩	🟩	• Change Freeze in place until M10, with only changes critical to Go Live being allowable • IR8 uplift is being conducted in the current maintenance window – this is the 'Go Live' code base (future defect patches expected) • CR056 is required for Go Live, Impact Assessments are needed to validate; CR055 assumption is that this change can be made in time
Testing	🟥	🟥	🟥	• SIT is behind schedule, prompting CR055 proposed revision of programme timescales (which would re-set status to Green) • Recent evidence of improved test velocity for most MVC cohorts. MVC will be reviewed ahead of Cycle 3
Data	🟧	🟧	🟩	• Test data preparation for Cycle 3 SIT is in progress. Tight timescale with some current issues; plan is being tracked and managed • Provided that data loading issues are overcome and readiness for Cycle 3 is assured, status will re-set to Green
Code Drafting	🟩	🟩	🟩	• M6 approved and activities on track. M7 and M8 activities started and on track • M7 Ofgem activities on track: BSC, REC & DCUSA SCR mods sent to consultation. M8: REC proposal to decouple M8 from M10 under review
Non-SIT LDSO Qualification	🟧	🟧	🟧	• Test data preparation is being carefully monitored. Test harness connectivity testing in UIT is progressing slower than planned • An approval of CR055 would allow for a more robust position on MPRS and CP testing ahead of this workstream test commencement and may move RAG status to Green
Supplier & Agent Qualification	🟩	🟩	🟩	• Awaiting final position on SIT Functional scope regarding the gap analysis and any impact to QT scope • SQAD issued for consultation on 16/09. QAD v2 approved at PABs in August and published
Transition	🟥	🟥	🟥	• High level Service Management planning from Elexon incorporated in CR055 plan with more detailed plan to follow, to demonstrate measurable path to M10 readiness for monitoring and assurance. Early Life Support Model consultation delayed but with no critical path impact. • An approval of CR055 should move status to Amber (this is currently Red against existing baselined Programme Plan), pending consensus on more-detailed plans which can act as a basis for clear programme assurance of M10 readiness • Data cleanse – population of Meter Location and Number of Displayed Register Digits activity has recently taken place. LDSOs are in the process of sharing exceptions with Suppliers. Next activities include population of Connection Type and the EES Full MPAN Refresh.
Migration	🟩	🟩	🟩	• Framework – Consultation 3 schedule to be agreed as part of the current Migration planning. Dates will change. • Supplier schedule submissions awaited (by 02-Oct). Draft schedules already received for most of the industry MPANS.

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* Assuming Programme is not yet operating to CR055

Document Classification: Public

Look Ahead – Key Milestones Status at 25 September 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 20/09/24	Current RAG 27/09/24	Forecast RAG 04/10/24	Commentary
T3-TE-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	34/34 initial plans have been submitted to the Programme, but still expecting revised plans from some PPs to address feedback given from the Programme, hence why this activity can't be completed yet. Because of the delay to all plans being submitted there is an increased risk to completion of SIT Non-Functional PIT. Re-forecasting the completion date isn't possible as delivery is dependent on the PPs.
T3-TE-0152	SITAG	SIT Non-Functional Test approach and plan MHHS Review Completed	Thu 04/07/24	04/07/24	PP	RED	RED	RED	14/34 test approaches completed. Late because the completion of the review is dependant on the delivery of all of the SIT Non-Functional Test Approach and Plans from the PPs. This increases the risk to SIT Non-Functional PIT completion
T3-DB-0153	SITAG	SIT Non-Functional PIT RTTM submitted to Programme for assurance	Thu 30/05/24	Thu 30/05/24	PP	RED	RED	RED	34/34 RTTMs have been submitted to the Programme. Because of the delay to all RTTMs being submitted there is an increased risk to completion of SIT Non-Functional PIT. Re-forecasting the completion date isn't possible as delivery is dependent on the PPs. Engagement taking place for remaining PPs.
T3-DB-0154	SITAG	SIT Non-Functional RTTM MHHS Review Completed	11/07/24	11/07/24	PP	RED	RED	RED	18/34 reviewed. As per T3-DB-0153, Status red until remaining RTTMs submitted and reviewed.

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Milestone RAG definitions

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

Look Ahead – Key Milestones Status at 25 September 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 20/09/24	Current RAG 27/09/24	Forecast RAG 04/10/24	Commentary
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	32/34 test scenarios have been submitted to the Programme. Because of the delay to all test scenarios being submitted there is an increased risk to completion of SIT Non-Functional PIT. Re-forecasting the completion date isn't possible as delivery is dependent on the PPs. Engagement taking place for remaining PPs.
T3-DB-0156	SITAG	SIT Non-Functional Test scenarios MHHS Review Completed	Thu 11/07/24	Thu 11/07/24	PP	RED	RED	RED	16/34 scenarios have been completed. Date missed because the completion of the review is dependent on the delivery of all of the SIT Non-Functional Test Scenarios from the PPs. This increases the risk to SIT Non-Functional PIT completion.
T3-DB-0157	SITAG	SIT Non-Functional PIT Completion Report submitted to Programme for assurance	Fri 02/08/24	Fri 02/08/24	PP	RED	RED	RED	19/34 SIT Non-Functional PIT RTTMs have been submitted to the Programme. Because of the delay to all RTTMs being submitted there is an increased risk to completion of SIT Operational PIT. Re-forecasting the completion date isn't possible as delivery is dependent on the PPs. Engagement taking place for remaining PPs.
T3-DB-0158	SITAG	SIT Non-Functional PIT Completion Report MHHS Review Completed	Fri 16/08/24	Fri 16/08/24	PP	RED	RED	RED	3/34 reviewed. As per T3-DB-0157. Status red until remaining PIT Test Approach and Plans submitted and reviewed.

Look Ahead – Key Milestones Status at 25 September 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 20/09/24	Current RAG 27/09/24	Forecast RAG 04/10/24	Commentary
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	🔴	🔴	🔴	32/34 test approach and plans have been submitted to the Programme. Because of the delay to all Test Approach and plans being submitted there is an increased risk to completion of SIT Operational PIT. Re-forecasting the completion date isn't possible as delivery is dependent on the PPs .
T3-TE-0160	SITAG	SIT Operational Test approach and plan MHHS Review Completed	Thu 08/08/24	Thu 08/08/24	PP	🔴	🔴	🔴	19/34 reviewed. As per T3-DB-0159, Status red until remaining PIT Test Approach and Plans submitted and reviewed.
T3-DB-0161	SITAG	SIT Operational PIT RTTM submitted to Programme for assurance	Thu 04/07/24	Thu 04/07/24	PP	🔴	🔴	🔴	23/34 SIT Operational PIT RTTMs have been submitted to the Programme. Because of the delay to all RTTMs being submitted there is an increased risk to completion of SIT Operational PIT. Re-forecasting the completion date isn't possible as delivery is dependent on the PPs.
T3-DB-0162	SITAG	SIT Operational PIT RTTM submitted to Programme for assurance	Thu 15/08/24	Thu 15/08/24	PP	🔴	🔴	🔴	13/34 reviewed. As per T3-DB-0161. Status red until remaining PIT Test Approach and Plans submitted and reviewed.

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Document Classification: Restricted – document to be shared with FTIG members only

Milestone RAG definitions

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

Look Ahead – Key Milestones Status at 25 September 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 20/09/24	Current RAG 27/09/24	Forecast RAG 04/10/24	Commentary
T3-DB-0163	SITAG	SIT Operational PIT test scenarios submitted to Programme for assurance	Thu 04/07/24	Thu 04/07/24	PP	RED	RED	RED	22/34 SIT Operational PIT test scenarios have been submitted to the Programme. Because of the delay to all SIT Operational PIT test scenarios being submitted there is increased risk to the completion of SIT Operational PIT. Re-forecasting the completion date isn't possible as delivery is dependent on the PPs .
T3-TE-0164	SITAG	SIT Operational Test scenarios MHHS Review Completed	Thu 15/08/24	Thu 15/08/24	PP	RED	RED	RED	13/34 reviewed. As per T3-DB-0163. Status red until remaining PIT Test Approach and Plans submitted and reviewed.
T3-TE-0165	SITAG	SIT Operational PIT Completion Report submitted to Programme for assurance	Fri 06/09/24	Fri 06/09/24	PP	RED	RED	RED	5/34 submitted. Date at risk because of potential delay to submissions for SIT Operational PIT completion reports. Impact may be a delay to the start of SIT Operational Testing. Programme continuing to work with PPs.
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	RED	RED	RED	9 of the expected 12 Interim Test Readiness Reports have been received and are following up with those who are outstanding. These are not a direct requirement of onboarding but a gap analysis ahead of test start
T3-MI-0033	MCAG (Transition)	MCAG Approval of Early Life Support Model	Tue 30/07/24	Tue 30/07/24	SI Transition	RED	RED	RED	Consultation has been delayed until November 2024.

Look Ahead – Key Milestones Status at 25 September 25 (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 20/09/24	Current RAG 27/09/24	Forecast RAG 04/10/24	Commentary
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	RED	RED	RED	Date re-forecast in line with recalibration planning. Introduction of 5 weeks of additional sprints.
T3-QU-0008	QAG (Non-SIT LDSO)	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Test Execution Schedule Complete	Thu 22/08/24	Fri 29/11/24	Non-SIT LDSO	RED	RED	RED	Date not met because of re-planning activity around SIT Cycle 2 Maintenance window. Maintain dialog with Programme scenario planning from SIT. New forecast date will be defined after programme scenario CR is approved, expected to be 29th November.
T3-TE-0035	QAG	Non-SIT LDSO Test Harness Released	Mon 18/11/24	Mon 18/11/24	SI DevOps	RED	RED	GREEN	Date change to 18/11/24 was approved at QAG on 19/09/24. On track.
T2-TE-0700	SITAG	SIT Non-Functional Testing Preparation Complete	Mon 26/08/24	Mon 26/08/24	SI Test	RED	RED	RED	Date missed due to lower than expected SIT functional test velocity. Forecast date updated and will be baselined once CR55 is approved.

Milestone RAG definitions

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

Look Ahead – Key Milestones Status at 25 September 25 (6)

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

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 20/09/24	Current RAG 27/09/24	Forecast RAG 04/10/24	Commentary
T3-TE-0040	SITAG	Theme 2 SIT Non-Functional Testing Start	Mon 02/09/24	Fri 02/05/25	SI Test	RED	RED	RED	Date missed due to lower than expected SIT functional test velocity. Forecast date updated and will be baselined once CR55 is approved.
T3-QU-0113	QAG (Non-SIT LDSO)	Test Data Signed Off	Tue 03/09/24	Fri 06/12/24	Non-SIT LDSO	RED	RED	GREEN	Date will be missed due to QT execution replanning. Additionally, the Test Harness will be loaded with dummy suppliers MHHS (outgoing supplier) and MHHX (incoming supplier) for the Change of Supply Test Cases. For messages to flow between DIP, the LDSO systems and the Test Harness the LDSO systems need to be updated with these dummy suppliers. Test data was submitted by LDSOs and team is currently reviewing and filling gaps. Once this is complete, LDSOs can upload to SFTP. Forecast finish date is 06/12/24.
T3-DB-0165	SITAG	SIT Operational PIT Completion Report submitted to Programme for assurance	Fri 06/09/24	Fri 06/09/24	PP	RED	RED	GREEN	5/34 received. Date missed because of delay to submissions for SIT Operational PIT completion reports.
T3-MI-0027	MCAG (Transition)	Automated Population of Connection Type for Measurement Classes 'B', 'D', 'F' & 'G'	Fri 13/09/24	Fri 04/10/24	LDSO	RED	RED	GREEN	On Track.

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Milestone RAG definitions

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

Look Ahead – Key Milestones Status at 25 September (7)

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 20/09/24	Current RAG 27/09/24	Forecast RAG 04/10/24	Commentary
T3-MI-0028	MCAG (Transition)	BAU Population of Connection Type for Site Specific LLFCs within Measurement Classes 'C' & 'E'	Fri 13/09/24	Fri 04/10/24	LDSO	Green	Green	Green	On track.
T3-MI-0029	MCAG (Transition)	Automated Population of Connection Type for Smart Meters within Measurement Class 'A'	Fri 13/09/24	Fri 04/10/24	LDSO	Red	Green	Green	On track.
T3-MI-0030	MCAG (Transition)	Automated Population of Null Connection Type	Fri 13/09/24	Fri 04/10/24	LDSO	Red	Green	Green	On track.
T3-TE-0119	SITAG	SIT Operational Scenarios & Test Cases Approved - Theme 3	Wed 18/09/24	Wed 11/12/24	SI Test	Amber	Red	Red	Date at risk because of uncertainty around test scenarios based PPs engagement. Batch 1 is going through industry review. Batch 2 is currently being composed and is reliant on feedback from Helix to be completed.
T3-QU-0124	QAG	E2E Sandbox Test Data Approach and Plan Approved	Thu 19/09/24	Thu 19/09/24	Sandbox (Qualification Governance)	Green	Amber	Amber	Delays experienced during E2E Sandbox Test Data Approach and Plan development impacting when they'll be available for internal Programme review and industry consultation. Industry consultation now targeted for 16-Sep-24 to 30-Sep-24.
T3-DB-0166	SITAG	SIT Operational PIT Completion Report MHHS Review Completed	Fri 20/09/24	Fri 20/12/24	SI Test	Amber	Amber	Red	Date missed because of delays to submissions for SIT Operational PIT completion reports. Continue engagement with PPs.

Look Ahead – Key Milestones Status at 25 September 24 (8)

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 20/09/24	Current RAG 27/09/24	Forecast RAG 04/10/24	Commentary
T2-TE-0750	SITAG	SIT Operational Testing Preparation Complete	Wed 25/09/24	Fri 17/01/25	SI Test	Amber	Amber	Red	Date missed due to lower than expected test velocity and Participants PIT submissions. SIT Operational Theme 3 Batch 2 yet to go to industry consultation. Working closely with Helix to close down outstanding questions.
T3-MI-0025	MCAG (Transition)	LDSO 'full refresh' between their Registration Service and the EES (ESME ID)	Mon 11/11/24	Mon 11/11/24	LDSO/EES	Red	Green	Green	On track.
T3-MI-0026	MCAG (Transition)	LDSO 'full refresh' between their Registration Service and the EES (Meter Location and Number of Displayed Register Digits)	Mon 11/11/24	Mon 11/11/24	LDSO /EES	Red	Green	Green	On track.
T3-QU-0076	QAG (Non-SIT LDSO)	Non-SIT LDSO Participants have submitted PIT Test Completion Report & evidence for QT Entry	Fri 29/11/24	Fri 29/11/24	Non-SIT LDSO	Red	Green	Green	Date rebaselined at QAG on 19/09/24.
T3-QU-0007	QAG (Non-SIT LDSO)	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Programme Test Readiness confirmed	Fri 20/12/24	Fri 20/12/24	Non-SIT LDSO	Red	Green	Green	Date rebaselined at QAG on 19/09/24.
T2-QU-0550	QAG (Non-SIT LDSO)	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Test Readiness Confirmed (Final Test Readiness Review for LDSO)	Fri 20/12/24	Fri 20/12/24	LDSO	Red	Green	Green	Date rebaselined at QAG on 19/09/24

Milestone RAG definitions

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

Look Ahead – Key Milestones Status at 25 September 24 (10)

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 20/09/24	Current RAG 27/09/24	Forecast RAG 04/10/24	Commentary
T3-MI-0017	MCAG (Migration)	MCAG Approval of Migration Framework Artefacts (Baselined)	Tue 22/10/24	Thu 23/01/25	PP	🟥	🟥	🟥	Expected baseline date will change, due to a combination of the changes coming out of MWG for Consultation 3 being very minimal for the original release date of 28th August and not warranting an industry consultation. Also, reassessment of activity has highlighted it would be better to align Consultation 3 with any changes that result from the current Supplier Migration Submission process, rather than issue a consultation before that process had completed. Current thinking is Consultation 3 woill be issued in November and approved in December/January.
T3-MI-0039	MCAG (Migration)	V1.0 of Migration Schedule Baseline Approved at MCAG	Tue 22/10/24	Fri 10/01/25	PP	🟩	🟩	🟩	On Track.
T3-TE-0082	SITAG	Regression - PP's confirmation that test data is ready for SIT Functional	Fri 25/10/24	Fri 04/04/25	SI Test Data	🟧	🟧	🟧	Forecasted dates are 04/04/25, which will be baselined once CR55 has been formally approved.
T3-TE-0045	SITAG	Core Systems Code Freeze	Fri 01/11/24	Fri 01/11/24	SI Test	🟥	🟥	🟥	Date at risk due to lower than expected test velocity. Completion of Functional to delayed. Forecast date will be baselined once CR55 is approved.
T3-MI-0500	MCAG (Transition)	M16 methodology approved	Tue 26/11/24	Tue 26/11/24	SI Transition	🟩	🟩	🟩	Production of this artefact has been delayed pending discussion on outstanding artefacts which will be produced through TORWG.

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Milestone RAG definitions

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

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 and On-Hold 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
	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

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Overall RAID Summary: Key Strategic Themes

RAID Summary & Mitigations				
• **SIT Execution:** Scenario Planning is currently ongoing across all Test Phases, analysing current progress against forecasted timelines for completion, to consider revisions to the test schedule and any consequential impact on Programme Plan. More immediate proposals to change Maintenance Window to maintain testing momentum. • **M10 Readiness:** Programme continuing to engage with the Code Bodies to ensure the ELS Model is signed off and can therefore be implemented. Continued assurance of the Service Design which is carried out by Elexon and asking Elexon to bring regular updates to Industry via TORWG.				

RAID ID	RAID Description	Current Score	Mitigation Plan	Theme
i191	SIT will not be completed in line with the Programme Plan	**Critical**	1. Ongoing Bilaterals with PPs to understand resourcing concerns and constraints from their side, recognising PP comments that testing has been more difficult than they anticipated. 2. Programme is conducting MVC Trials to drive out testing constraints. 3. CR055 recalibration will alleviate this issue as activity has been re-calibrated to a more appropriate delivery timeline. Programme will report against the CR055 forecast dates once, and if, the CR055 is recommended for approval by PSG to Ofgem c 21/10.	SIT Execution
i188	Current RTTM requires development to assure that Programme SIT (and eventually Qualification) scope covers programme requirements across all roles.	**High**	1. RTTM for SIT Functional has been baselined and shared with Code Bodies, these will be covered in Change Control. RTTM for SIT Migration is due to be released w/c 23-September to be shared with Code Bodies. 2. Any additional test scope is being reviewed alongside a test case rationalisation activity so that any net increase in test scope may be minimised. The CR55 plan proposal and recommendation is being clearly defined against any expected change in test scope.	RTTM Development
R770	Elexon may not be ready for and Handover, as this requires further scope and an integrated and holistic plan, including required engagement with industry.	**High**	1. MHHSP feedback on Service Design Document and Low-Level Service Designs remains to be addressed particularly demonstration of interaction and engagement with industry for Service Management. 2. High level Service Management plan incorporated into CR055 Programme Plan with resultant delay to SIT Operational start to Feb-25 and approval of SIT Operational test materials to Dec-24 SITAG. 3. Conversations initiated with Elexon DIP Manager to agree ownership, scope and delivery of Qualification Assurance of Non-Functional Requirements (see i196 on slide 53)	M10 Readiness
R958	Programme may not have ability to deliver Programme-owned Milestones after M10, following the decision on post-M10 Change Governance Authority. It is recognised that if the Programme does not have responsibility for the Change Process and Governance, there is a risk Programme milestones will fall into a Change Process the Programme cannot control the speed of, thus impacting timeline.	**High**	1. Ongoing engagement with Code Bodies and Ofgem 2. Discussions with Ofgem ongoing, awaiting Ofgem direction/decision on the best approach for post M10 Change Process	Post M10 Change

*Note: Additional RAID Theme Slides are in the Appendix

Change Request Status

Ref.	Key Detail	Change Raiser(s)	Change Type	Latest Action	Approval Status	Current Stage in Change Control	Action *If approved*	Implementation date/milestone	Change Owner(s) *If approved*
CR054	Change to Non-Functional Requirements for LDSOs	David Yeoman, UKPN	Full Impact Assessment	Approved by PSG for Implementation	**Implemented**	Updates published in IR8.3	Participants to implement		Paul Petitt
CR055	Amendments to M10 and corresponding milestones	Lewis Hall, MHHS Programme	Full Impact Assessment	Validated by Change Board for Impact Assessment	**Open**	Awaiting Impact Assessment Conclusion			
CR056	Batching of ERDS to CSS Agent Appointment Files	Jonny Moore, RECCo	Full Impact Assessment	Validated by Change Board for Impact Assessment	**Open**	Awaiting Impact Assessment Conclusion			

On Hold Change Requests

Ref.	OHCR Title	Change Raiser	Comments	Status
OHCR006	Advanced Register Read and Meter Configuration Inclusion	LSC	CR not eligible for pre-M10 Change Control process as implementation not required until after M10, as stated by Change Raiser.	**On hold**
OHCR005	Validation of Service Provider CoS Appointments	British Gas	CR raised to Programme in July 2024. PPIR issued to all Participants, responses confirmed pre-M10 implementation is not feasible. CR not eligible for pre-M10 Change Control process as post-M10 implementation does not meet the Change Freeze criteria.	**On hold**
OHCR004	Supply Start Date (SSD) Correction Tool	MHHSP & SCS	**CR045** - PPIR issued to gather views on whether solution is implementable pre-M10. Rejected at PSG on 03-Jul-24 based on PPIR responses. Recommended for post-M10 implementation.	**On hold**
OHCR003	Implementation of 'Data Refresh' Message IF-051	MHHSP	**CR044** - PPIR issued to gather views on whether solution is implementable pre-M10. Rejected at PSG on 05-Jun-24 based on PPIR responses. Recommended for post-M10 implementation.	**On hold**
OHCR002	DIP Interface Name Changes	RECCo	**CR025** - Raised to Programme in June 2023 and issued to Impact Assessment. Deferred to a post-M10 implementation at DAG 13-Mar-24. Please note that RECCo has implemented these changes into the M6 Code baseline.	**On hold**
OHCR001	Data Item Names and Descriptions	RECCo	**CR024** - Raised to Programme in June 2023 and issued to Impact Assessment. Deferred to a post-M10 implementation at DAG 13-Mar-24. Please note that RECCo has implemented these changes into the M6 Code baseline.	**On hold**

This slide captures Change Requests raised in the last three months, as well as change requests On Hold for post M10. A full record of all MHHS Change Requests can be found on the Change Control page of the Collaboration Base. On Hold Change Requests can be found on the On Hold Change Requests page on the Collaboration Base.

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We have set out the intended criteria that we believe should be used as firm targets to reach the IR8.1 (now IR8.3) maintenance window:

Test stage	Proposed criteria for firm targets, based on 'minimum viability' to proceed into IR8.2 maintenance window	Status
SIT Functional Testing Cycle 2	• Number of passed tests (by the MVC cohorts) have met or exceeded the numbers set out in their respective agreed cohort execution models **and**	3 of 4 MVC Cohorts have met CR055-assumed velocity
	• Design coverage has been progressed adequately, according to business process-related measures 　o % Tests Executed > 85% across all themes for all allocated tests (excluding settlement – Theme 8) 　o % Tests Passed > 60% across all themes for all allocated tests (excluding settlement – Theme 8)	**Met** 87% 84%
	and • MPRS has been sufficiently exercised with key parameters passed (to manage readiness for non-SIT LDSO testing start): 　o 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 　o At least one UMS test successfully concluded from within each of Test Themes 1, 2, 3 and 4	Advanced - Met Smart - Not Met in 1 Theme UMS - Met
	o No Open Severity 1 or Severity 2 Defects exist based on testing conducted to date	Not Met – but Cycle 3 start has resolution plans in place for 40/41 Central and Programme Defects (1/41 with resolution plan still to be agreed)
Settlement Testing (target for release of SIT-B)	• Completion, by any 2 Cohorts, of Settling Normally Tests (SET 1) **and** • Completion, by any 2 Cohorts, of Settlement Accuracy Tests (SET 2) • Completion, *by remaining Cohorts*, of (SET 1), so that all Cohorts complete this TC to ensure their requirements test coverage **and** • Completion, by min 2 MVC candidates, of Market Role Qualification Tests (SET 3)	**Not Met** - Targets under review – socialised with FTIG weekly, since 30-Aug-24
SIT Migration Testing Cycle 2	• 5 stated Forward Migration CoA tests and 4 stated Forward Migration CoS test cases passed by at least 1 cohort (needed for non-SIT LDSO testing) **and**	Not Met: 4 of 5 CoA (1 is blocked but defect fix for Cycle 3 start) 4 of 4 CoS
	• Number of passed tests (by MVC cohorts) has met or exceeded the numbers set out in their respective agreed cohort execution models	3 of 4 MVC Cohorts have met CR055-assumed velocity

SIT Stage Statuses (19-09-24)

Test Stage	RAG	Comment
CIT	🟦	SITAG approved the CIT completion report 11-Mar-24
Functional	🟧	SIT F – No singular Central issues have impacted programme-wide testing. Instead, Cohorts are impacted by a mixture of both Central and internal defects. An overall uptick in test velocity was witnessed in Sprint 4.2. SIT Functional coverage are still largely on track to be met, despite the individual Cohorts not reaching Modelled points targets. Progress on Settlement testing remains limited, with no Cohort yet having completed the 'Settling Normally' tests case. Settlement testing overall remains at risk for completion in Cycle 2.
Migration	🟧	SIT Migration is in progress across all cohorts (including known late entry for Cohort C) The increase in throughput and points achievement has continued. However, still far to go to catch up to original forecasts. 9 'Non-SIT LDSO Qualification Testing Dependency' priority tests completed by 1 or more Cohorts: 8/9 Passed by 1 or more Cohorts, 1/9 Nearing Conclusion. One outstanding defect preventing completion, with a rapid fix and no other issues it is possible to complete in Cycle 2. Similar to Functinal, a significant uptick in velocity happened during Sprint 4.2.
Non-Functional	🟧	Needs attention from participants to close outstanding PIT activities. Test Approach and Data (plus associated Test Data): Test Data Approach and Plan Approved May SITAG, Test Approach and Plan approvedat ESITAG 26th July. Test Scenarios & Test Cases: Theme 1 – Approved at ESITAG 25-Jul Theme 2 – Approved July SITAG 17-Jul Theme 3 – Approved September SITAG 18-Sep
Operational	🟥	Test execution moved as part of CR55. Additional PIT activities outstanding, similar to NFT the start of Operational testing is at risk. Test Approach and Data (plus associated Test Data): Approved at 15-May SITAG Test Scenarios & Test Cases: Delivery plans approved at April SITAG Theme 1 – Approved August SITAG 21-Aug Theme 2 – Approved July SITAG 17-Jul Theme 3 –Batch 1 deferred to November SITAG, Batch 2 still in development but expected in November SITAG. Outstanding questions on LLSD caused delay to Batch 2.

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

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

MHHS
PROGRAMME
Industry-led, Elexon facilitated

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

Helix Solution
- Continued to support SIT Cycle 2 including SIT Migration and Settlement.
- Progressed PI11 (final build increment of Helix systems).

Business Readiness
- SIT Ops PIT completed successfully, and the report sent to MHHSP on 6 September.
- Responded to and accommodated comments on Low-Level Service Designs.

Assurance and Qualification
- PAB Approval received on the Qualification Approach and Plan and Qualification Assessment Document.
- Scenario planning meetings held with MHHSP to review impact on Qualification of changes to SIT Cycle 2 and Non-SIT LDSO QT timing.
- QAD issued for industry consultation on 16/09/24.
- Updated BSC Assessment Criteria to be sent to Sept PAB for approval.

Progress expected in the coming month:

Helix Solution
- Completion of final development iteration, PI11.
- Continued to support SIT testing across Functional and Settlement.
- Finalise build for SIT Cycle 3.

Business Readiness
- Update LLSDs based on participant feedback and re-issue finalised versions by 30th September.
- Continue to Support MHHS with test scenario and test case development.
- Begin execution of Pre SIT Ops engagement initiatives.

Assurance and Qualification
- Full Assessment of Qualification Wave Dates part of CR55 IA and subsequent updates to QA&P.
- Appendix CSQAD seeking endorsement in October QWG, QAG and BSC PAB.
- Updated BSC Assessment Criteria seeking approval at September PAB.

Party Milestones & Deliverables	Plan Date	RAG
IR8 Build development complete	16/07/24	Complete
Publish Service Definition document	18/07/24	Complete
Agree Source Data changes with MHHS for SIT Cycle 3	26/07/24	Complete
LLSDs first draft complete	29/07/24	Complete
Start execution of PIT for SIT Operational	25/08/24	Complete
PAB Approval of Qualification Approach and Plan	29/08/24	Complete
PAB Approval of Qualification Assessment Document	29/08/24	Complete
QAD Portal Updated to v2	12/09/24	Complete
Initial review of Low-Level Service Designs	31/08/24	Complete
IR8.2 Complete	20/09/24	
Review comments & update LLSDs	25/09/24	
Issue LLSDs based on feedback from MHHS team and participants	30/09/24	

RAID and RAG	Type	Mitigating or resolving action required	Next Update
The ongoing review of MHHSP milestones is expected to drive the need for replanning within the Helix Programme with consequent implications for programme budget and timelines.	Issue	Update: MHHS have outlined proposed timeframes for changes to test phases and key milestones as part of CR055. Helix team have reviewed and will provide further inputs through consultation process.	23/09/24
If further changes impact on the scope of Helix, they may impact on SIT progress and will drive further cost into the programme.	Risk	Helix has a materially complete code base with due consideration given to avoidance of refactoring of this code base within future change requests. Reduced the severity of this risk due to the change freeze being introduced by MHHSP.	Ongoing
There is a risk that DIP onboarding, Qualification, and Migration do not proceed to plan without additional management support to drive the queuing and progress of all Non-SIT participants.	Risk	Helix and MHHSP team are working together to develop shared plans to manage this phase of work. The Helix team are currently onboarding additional resource to support DIP Onboarding and Migration planning. Helix have also hired operational reporting resources.	31/08/24

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- Defect triage, remediation and query support for SIT Functional Test Cycle 2, Migration Testing and Settlement testing.
- Continued monitoring of UIT environment and support for non-SIT LDSO onboarding

- SIT Support & Change Backlog
  - IR8.1 PIT Execution Cycle 2 is completed with 97% pass rate, Cycle 3 in progress
  - IR8.2 DIN Changes build is complete and Testing in progress
  - SIT releases for remediation of issues identified in Functional SIT Cycle 2, Migration Testing and Settlement Testing
  - NFT Performance is complete against IR8.1
  - BFF ACAM E-mailer for Certificate notifications
  - Create GET and POST Endpoints for ISD Data
  - Continued standardization of styling through portal
  - Portal build and deploy pipelines update progressed

Progress expected in the coming month:

- Final deployments of IR8.2 code into SIT environment to align with Programme's Functional SIT Cycle 3 timeline
- Development and deployment of IR8.3 into SIT environments
- Continue to work on bug triage and fixing for SIT support, as needed
- Continue monitoring of UIT environment and support for non-SIT LDSO onboarding

- SIT Support & Change Backlog
  - Complete Impact Assessment for IR8.3 and finalize scope
  - Releases into SIT (weekly/per need) to address open defects from SIT
  - Finalize NFT High Availability Design and define scope for Failover and Chaos testing
  - Update Deploy pipelines to support multi-region deploys
  - Review change backlog to identify programme dependent items for finalizing next steps
  - Finish PIT Cycles of testing against IR8.2 code base and update DIP-D37 PIT Test Completion Report and DIP-D39 PIT Defect Work Off plan

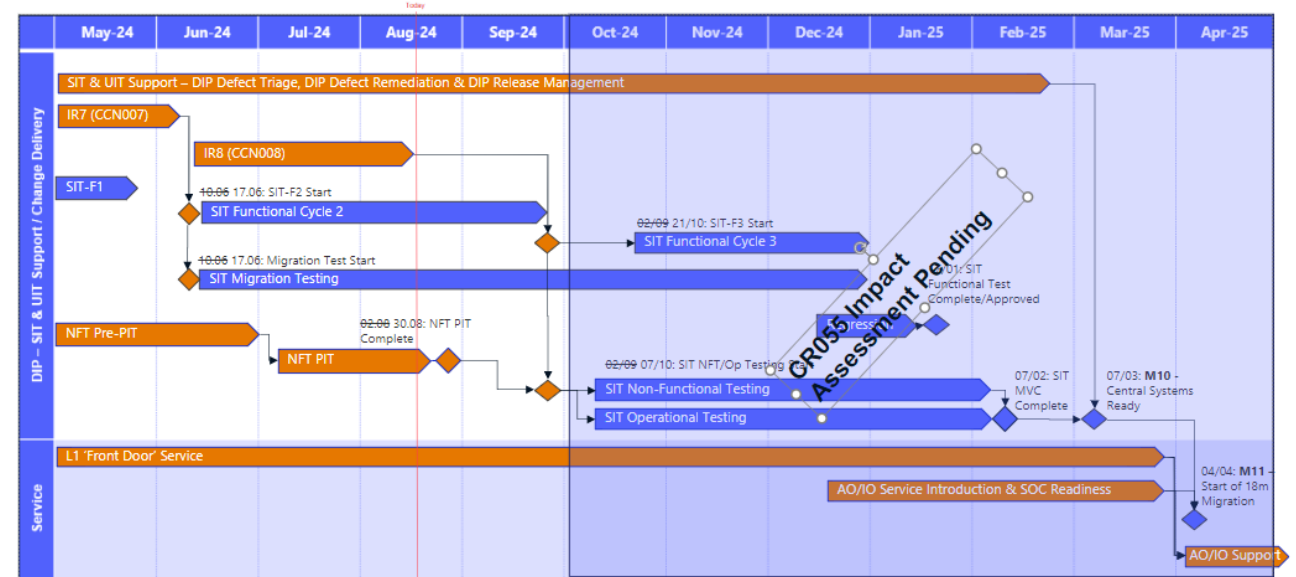| Party Milestones & Deliverables	Original Date	Forecast date & RAG
DIP 4d (IR8.1) – Final build	23/08/24	23/08/24
DIP 4e (IR8.2) – Final build	20/09/24	20/09/24
Functional SIT - Cycle 3*	02/09/24	21/10/24
DIP 5 – Migration / Transition**	20/09/24	21/02/25
DIP 6 – Hypercare**	20/09/24	21/03/25

*Programme Milestone
**CR055 Impact Assessment pending

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

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Functional SIT Progress – Extent of Testing (slower than expected), Identification of Defects (later test cycles), Expectations on Triage and Remediation (more frequent or 'urgent' releases)	MHHS PPC issued comms (06.08) confirming SIT Cycle 2 extension 5 weeks. Replanning to start based on 'short term plan', completion dependent on implications for M10/M11.Programme briefed participants on proposed CR055. Impact Assessment will be required	(12.07.2024) 30.09.2024	Smitha Pichrikat (Paul Daniels)
Web Application Firewall Changes and Exclusions	Direction required from SRO and Elexon IT Security on treatment plan for further exceptions on the Firewall	29.09.2024	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) Treatment Plan currently based on monitoring to understand support demand through SIT & migration.	30.09.2024	Smitha Pichrikat (Paul Daniels)

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

MHHS

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

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

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RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress this Month:
- Continued UAT testing of sprints 5, 6, 7 and 8 MPRS code
- Completed SIT Functional execution of final Sprint for Cycle 2
- Completed Migration SIT execution of final Sprint for Cycle 2
- Continued support for the Settlements SIT environment
- Started preparation for SIT Functional Cycle 3
- Started preparation for SIT Migration Cycle 3

Progress expected in the coming month:
- Complete preparation for SIT Functional Cycle 3
- Complete preparation for SIT Migration Cycle 3
- Continued Support for Settlements SIT
- Continue UAT testing of sprints 5, 6, 7, 8 and 9 MPRS code
- Start test execution for SIT Functional Cycle 3
- Start test execution for Migration SIT Cycle 3
- Continued testing of Data Cleansing PIRs
- Work with Programme to test the data load process
- Complete Data loads and code refresh for the SIT environments pre-Cycle 3

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
IR8 Code deployed to SIT Environments	17-10-24	17-10-24

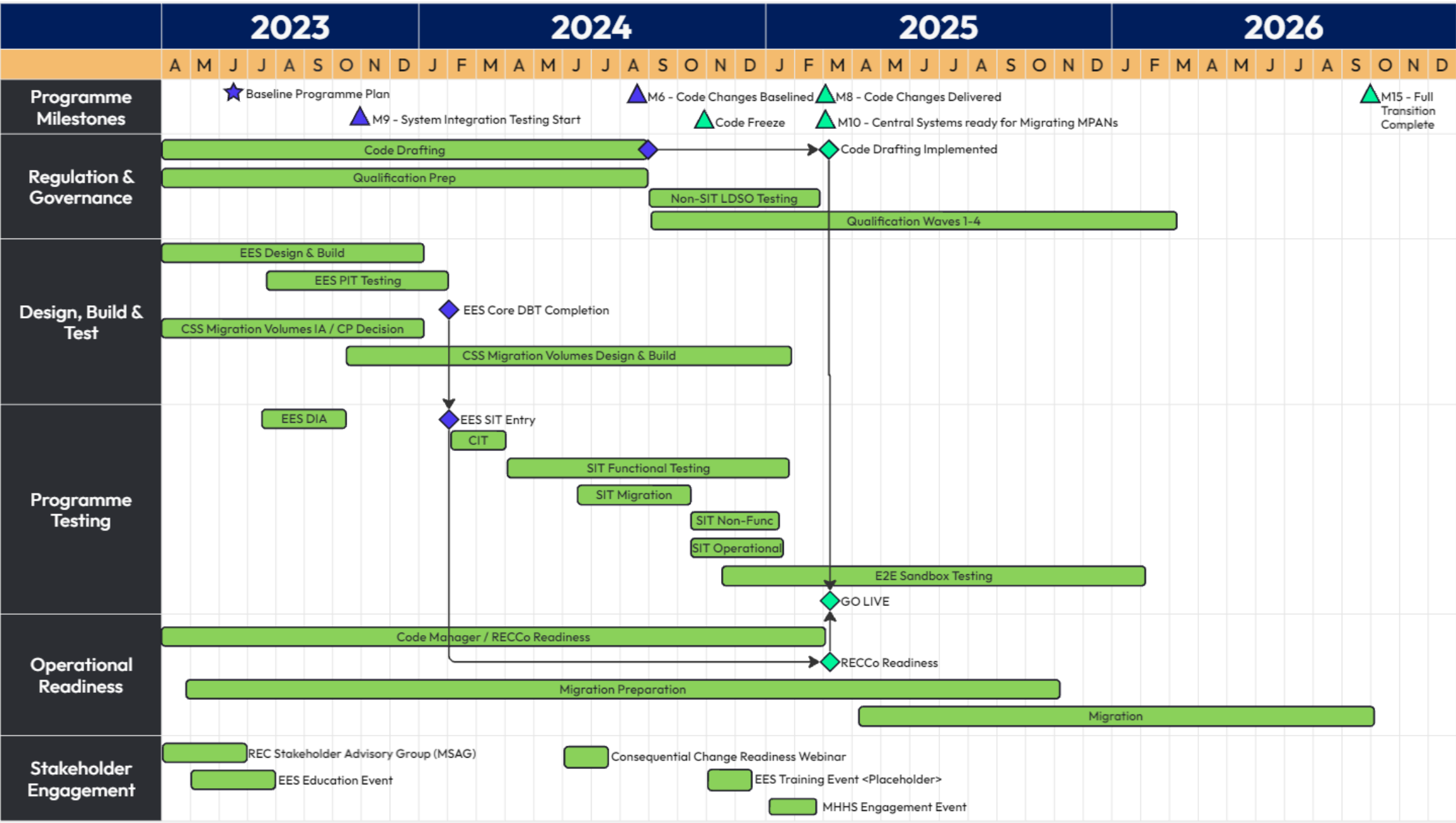| Risk or Issue & RAG	Mitigating or resolving action required	Target Date	Action owner
STCI11 – ISSUE - Overrun of Programme activities (i.e CIT interval 2 testing and data aug loads) impacting subsequent test phases	**Awaiting confirmation of the updated plan to understand the impact on St Clements.** The augmented data loads took longer than planned requiring significant resource commitment. Risk STCR63 materialised and the start of SIT cycles were delayed placing further pressure on subsequent test phases. The programme has not addressed the time 'borrowed' from future test phases (UAT/CIT interval 6/functional SIT/migration SIT). Whilst Parties are looking at how they can accommodate such increasing Programme demands, the Programme must consider the parties having to commit significantly more time than planned and its impact on future programme milestones. DNOs have funded an increase in the size of the MPRS test team, quadrupling the size of the test team since the plan was baselined (CR022).	Q3 2024	Programme
STCI13 – ISSUE – The new Test approach of splitting the remaining tests for both SIT F and Migration into a Sprint approach has resulted in unclear reporting. It is not easy to identify the current testing status.	**Update – The Programme are now providing a daily report showing an overall view of progress so this issue can now be closed.** The programme have supplied a draft report, which is an improvement but still does not provide a clear view of the status of all remaining test cases. The programme test team has been approached to clarify what is required (overall view of Number of test cases, Passed, In progress, Blocked, Not started or failed). Without this it is not possible to confirm what has been tested, what is outstanding and the resulting impact on St Clements resource.	30/07/2024	Programme
STCI16 – ISSUE - There is an issue with the current SIT Functional test cases. Unclear versions and key information missing	**Update – St Clements have requested the Programme address this in the maintenance window W/C 23/09 prior to the start of Cycle 3.** We are not being made aware of changes to test cases. It is unclear which is the latest version of individual test cases in ADO and key information is missing from the test cases (descriptions and test steps unclear). A traceability matrix is necessary to show the latest Test Case version and the Test Execution the latest Test Case has been run in. Consequently, unnecessary questions are asked of St Clements from cohorts on how to achieve various outcomes. This is causing the St Clements test team significant time, reducing the time available for core MHHS activities.	Q3 2024	Programme
STCR68 – RISK - Inability to complete sufficient UAT testing prior to go live	**Update – St Clements key resource being distracted with numerous defects and issues unrelated to MPRS during SIT and Migration testing. Awaiting outcome of CR055 to understand if risk can be reduced.** Focussing resource on supporting SIT Functional/Migration SIT execution, fault resolution and data augmentation difficulties is preventing acceptance testing activities from completing. The Programme timescales may prevent sufficient time to complete testing of MPRS code to the usual standard, leading to potentially more issues within production systems. To mitigate this, resource must be diverted away from solely focussing on supporting programme activities.	Ongoing	St Clements
STCR45 – RISK – There is a risk that the SIT Functional testing requirements from the programme on St Clements are greater than anticipated.	**Update – St Clements are currently awaiting confirmation of the revised CR and Plan and a clear understanding of the changes being made.** Increased volume of testing may have an impact on remaining Cycle 2 tests (priority v non-priority). Testing phase duration increasing leading to additional resource requirements from St Clements. This could lead to insufficient resource availability to support SIT Functional testing.	31/07/2024	Programme
STCR64 – RISK - Capacity to support volume of carried over tests from SIT cycle 1 in cycles 2 and 3 may surpass capacity available	Remaining tests from Sprints 1, 2, 3 & 4 have been carried over to Sprint 4.1 increasing the volume of each sprint significantly. Ongoing resource capacity requirements need to be assessed to support these carried over tests. Awaiting impact of CR055	31/07/2024	Programme
Assumptions			
Insufficient time to complete UAT testing to the required standard	It was assumed that acceptance testing, and programme testing would run concurrently. However, far more time than expected has been devoted to supporting SIT and data augmentation activities, preventing sufficient acceptance testing progress.	Ongoing	SCS
MPRS high level plan broadly remains the same following detailed IA	Detailed IAs for later sprints (including migration) to be completed	To last sprint	SCS
Scope of MPRS development does not extend	Scope change (eg data cut/data cleanse/CRs) to impact milestones. Consider delaying when functionality is required for testing	Ongoing	Programme
Governance/assurance does not impact MPRS delivery activities	Light touch and targeted approach	Ongoing	Programme

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:
- EES functionality being tested through SIT Functional Cycle 2, SIT Migration and SIT Settlement .
- EES PIT NFT Completed with 1 defect in work-off.
- MHHS Programme CR056 raised on the batching of Registration agent appointment interfaces into CSS. This is to resolve REC Issue I0204 and Programme Issue I179 on the ordering of messages through CSS Adaptors.
- Published REC Code Drafting R0209 - Implementation of MHHS Arrangements for industry consultation.
- REC PAB approval (27 Aug) of updated QA&P, annex 1 and 2 and QAD.

Progress expected in the coming month:
- EES to update to IR8.3 and load required updated data through maintenance window.
- EES PIT NFT work-off and PIT Operational to be completed.
- Continue to develop post M6 code change management plan with other Code Bodies and Programme.
- Review R0209 consultation responses ahead of seeking recommendation from REC Change Panel (5 Nov) and submission to Ofgem for approval (M7 - 11 Dec).
- Review and respond to CR55.

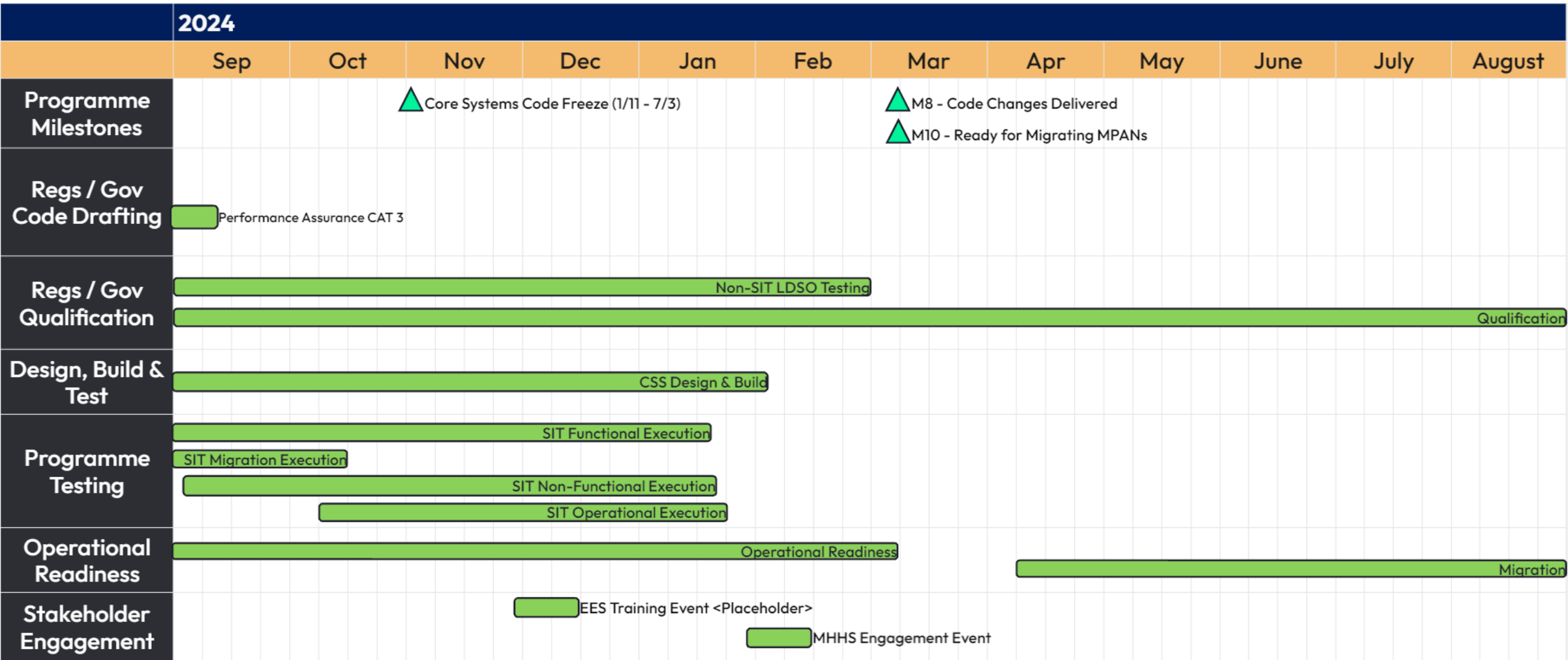| Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
Qualification Approach & Plan v3 approved and published	30/08/2024	30/08/2024
M7 Approval of REC Code Drafting	11/122024	11/12/2024
Code Drafting Complete	23/08/2024	23/08/2024
Qualification Assessment Document v2 approved 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.	16/10/2024 (SIT Operational Test Scenarios approved)	Jonny Moore
R0920 - Swagger may not be aligned to approved design artefact (DES138) which is used for Code drafting. Lack of alignment means M6 criteria not met and could also lead to qualification delays and live operational issues.	Programme proposed taking no action to address this risk/issue. RECCo reviewed, identified issues and raised DINs. Work Off plan agreed at CCAG to cover DINs and new Code Changes required as a result of IR8.2 and IR8.3.	tbc	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.	Awaiting updated SIT Functional RTTM and Test Cases to develop and provide associated Qualification artefacts.	Ongoing	Andrew Wallace
RECCo need to develop tie-ins with enduring BSC service management as part of operational readiness, including roles, responsibilities and hand-offs for incident management, error resolution and operational processes (trade sales / SoLR / etc.)	Agreement required on service management design deliverables and agreed scope of testing / operational readiness run-through. Service design has now delayed the production of the Operational Test Cases.	16/10/2024 (SIT Operational Test Scenarios approved)	Jonny Moore

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	2024										
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	August

Programme Milestones
- ▲ Core Systems Code Freeze (1/11 – 7/3)
- ▲ M8 – Code Changes Delivered
- ▲ M10 – Ready for Migrating MPANs

Regs / Gov Code Drafting
- Performance Assurance CAT 3

Regs / Gov Qualification
- Non-SIT LDSO Testing
- Qualification

Design, Build & Test
- CSS Design & Build

Programme Testing
- SIT Functional Execution
- SIT Migration Execution
- SIT Non-Functional Execution
- SIT Operational Execution

Operational Readiness
- Operational Readiness
- Migration

Stakeholder Engagement
- EES Training Event <Placeholder>
- MHHS Engagement Event

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RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

REC

• **R0093 (Legal text now deployed)** – Capacity uplift/Performance requirements finalized. Comments from RECCo that require responses

Capacity

• **MHHS Capacity uplift plans confirmed for deployment**

New Requirements

• **DCC SIT Functional Testing Support aligned & supporting extended Cycle 2 Sprints & Test Trial**

• **3rd Test Data Run completed 10/09**

• **Planning underway for additional data run requested for Cycle 3 – SSEN specific data being used for new connections, using full business process interface**

Progress expected in the coming month:

• **REC CSS performance testing plans requiring RECCo acceptance**

• **Continued SIT Functional Testing Support**

• **Delivery of 3rd Test Data Cut**

• **Analysis & Response to CR55 Impact Assessment**

• **Analysis & Response to CR56 Impact Assessment**

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

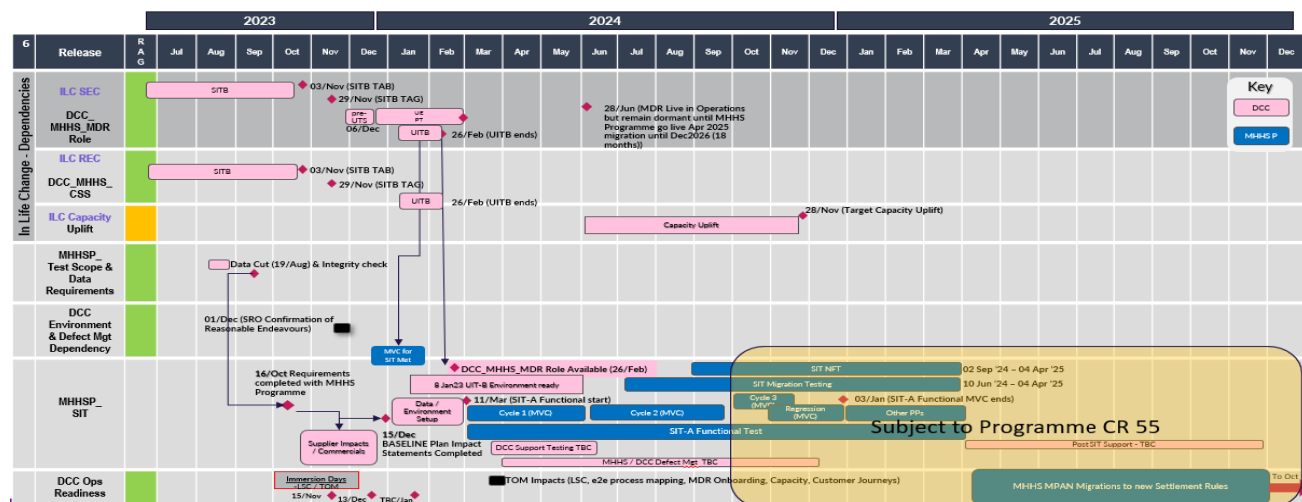| Decisions required	From whom?	By when?
None	n/a	n/a

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

ERDS to CSS Agent Appointment Files The current design for the submission of appointment files presents significant operational issues for DCC in terms of the inability of Metering Services or MDRs to access meter data, and a significant increase in the capacity required to handle messages during the Migration period.
Mitigation: Approval of CR056 to implement the proposed fix ahead of the start of Migration.

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
No New Dependencies			

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RAID & RAG

Ref.	Risk	Calculated Risk	Mitigation / Update	Owner	Area	Service risk RAG
1	As a result of there being no system-based control to prevent daily migration volumes exceeding the 300k peak-of-peaks, there is a Risk to CSS performance	High	DCC have investigated legal & regulatory controls available to mitigate, and are engaged in the Governance Framework definition with Elexon Migration Delivery Team. Identification of industry exception escalation processes running behind plan.	DCC/MHHS Programme	Migrations / Capacity	Amber
2	As a result of the sizing of CSS capacity increases being based on peak-of-peak migration thresholds defined in the Migration Thresholds document plus "business as usual" (BAU) volumes, there is a Risk that BAU volumes today may not reflect BAU volumes between April 2025 and October 2026, if switching increases. This could result in CSS being under scaled.	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.\n\nCosts for CSS Uplift identified & CR submitted to RECCo for review. DSP confirmed volumes can be met with current build	DCC	Migrations / Capacity	Green
3	As a result of the potential significant cost involved in scaling CSS and/or DSP to achieve a peak-of-peak CoA volume of 591K, there is a risk that this 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	Green
4	As a result of a lack of clarity around industry the capacity impacts of MHHS, DCC have had to build additional capacity based on a set of assumptions, There is a Risk that any industry changes which materially impact the Capacity Assumptions may not be able to be reflected in the capacity at Go Live, due to the time required to deliver capacity increases.	Medium	A formal letter has been sent to Ofgem on June 18th detailing the assumptions on which DCC has built the capacity which will be available at MHHS implementation. Follow-up PPIR will be undertaken – date to be confirmed following the completion of the CR55 IA.	DCC/MHHS Programme	Capacity	Green
5	As a result of the Programme delivery dates moving out, there is a Risk that there is a significant impact on DCC in terms of cost, resource, or operational impacts.	Medium/ High	DCC to conduct full Impact Assessment of CR55 internally & with Service Providers. Any significant impact on costs or ability to absorb change at re-planned dates to be flagged to DCC Senior Stakeholders & MHHSP	DCC/MHHS Programme	Costs/ Operational Impact	Red
6	The current design for the submission of appointment files presents significant operational issues for DCC in terms of the inability of Metering Services or MDRs to access meter data, and a significant increase in the capacity required to handle messages during the Migration period.	High	Approval of CR056 to implement the proposed fix ahead of the start of Migration.	RECCO/MHHS Programme	Costs/ Operational Impact	Red

MHHS PROGRAMME
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RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status Update

ElectraLink updates for September PSG:

- Supporting MHHS participants through our helpdesk as required to use the DTS to support their SIT A and SIT B testing.
- Continued collaboration with MHHS Programme and teams engaged via participating in working groups such as SITWG, FITG, S&T, DAG, DWG and fortnightly sessions with the programme and Webinars.

Milestones and Deliverables:

- None

Decisions required	From whom?	By when?

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

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

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

DNOs Status & Outlook

Progress since last month

SIT Participant
- Completed FSIT Cycle 2, SIT Settlements & SIT Migration Sprint 4.1 testing.
- Complete ESME ID rejection SDEPS
- Started PIT for SIT operational testing
- Downloaded and installed the C&C data loader for PIT for SIT non-functional testing
- Progressed SIT Settlement test scenarios for REP 002A REP 002B and REP 901
- Applied MPRS R9.0 sprint 9 R" code to PIT B Environment
- Applied Durabill 6.5.22 release to PIT B environment
- Raised change for meter location /digits cleanse
- Submitted PIT for SIT non -functional and PIT for SIT Operational test approach and plan

Non-SIT
- PIT Functional & Migration submit test & traceability
- PIT Non-Functional Test & Operational test
- DIP Onboarding – Stage 1 &2 complete
- Qualification – Test scope agreed & signed off
- Qualification Planning Prep continues Test Harnesses, Data, Code deployments
- Qualification QAD progress
- Data Cleanse LDSO Full refresh ESME & MEM prep
- Code Drafting – Modification report review
- Migration Approach & Operational Transition M10/M11 cut over
- Program Working Groups, Change Requests, DINS & Consultations

Expected key activities next month

SIT Participant
- Meter Location data cleanse activities. PIR 869
- Number of digits data cleanse PIR 870
- Raise SDEPS for both
- Complete connection type back population for remaining Measurement types
- Complete full refresh of MPRS to EES
- In deferred maintenance window deploy latest IR 8.1 application functionality for REGS LDSO and UMSO to SIT A and SIT B environments.
- PIT for SIT non-functional testing
- Deploy IR8.3 compatible releases of MPRS, LDSO and UMSO systems to SIT A and SIT B environments
- Impact assess Service Management LLSD
- Impact assess CR055

Non-SIT
- PIT Non-Functional Test & Operational test complete
- Data Cleanse MEMS file deployment - complete
- DIP Onboarding – Stage 3 Smoke Testing start
- CR055 Program Replan Consultation Review
- Qualification -Test Data agreed & commenced loading
- Qualification Planning Prep continues Test Harnesses, Data, Code deployments
- Qualification QAD progress
- System Access: QAD, ADO
- SO Full Migration Approach & Operational Transition M10/M11 cut over
- Program Working Groups, Change Requests, DINS & Consultations

DNO Key Deliverables & Activities	Latest Status	Due Date & RAG	Relevant Programme Milestone(s)
DNO System Integration Testing (SIT) Participants			
Complete PIT for SIT Non- Functional	Requirements provision has been poor. SSEN has advised Programme that it will aim to complete PIT for SIT NFT by 23/9/2024.	TBD	M10
SIT FSIT Cycle 2 & SIT Migration Sprint 4.2	Sprint 3 underway. Overall progress on SIT testing has been slow, due to data issues, participant readiness, etc.	20/09/2024	M10
SIT Settlements Testing Sprint 4.2	Problems persist with quality of ISD data which has blocked testing of REP-002a, REP-002b, & REP-901. Defects raised and updated ISD expected from Elexon in October start of Cycle 3 testing. Problems with Rep 002B	20/09/2024	M10
Non-SIT LDSO Qualification Testing			
Non-SIT LDSOs testing start (Functional / Migration / NFT / Ops)	Program Recalibration due to SIT not meeting test volumes and thresholds, NON -SIT LDSO's have a dependency on SIT Test complete prior to Qualification– milestones RED based on existing plan await CR055 guidance. Ongoing discussions regarding NFT Qualification, Placing Reliance, Data requirements and test cases.		M10
Readiness to support migration start, including Registration Services. Network Operators and UMSOs	Program Recalibration due to SIT not meeting test volumes and thresholds, NON -SIT LDSO's have a dependency on SIT Test complete prior to Qualification– milestones RED based on existing plan await CR055 guidance. Ongoing Industry discussions regarding cut over plans, service management, migration volumes & SLA's– consultation.		M10

Escalations

Escalations / Priority Actions	To Whom	Required Resolution Date	Owner
- Program Replan CR055 – Expected from program 23/09/2024 - Accuracy DUoS Billing – Modelling output expected from Elexon & meeting in diary to discuss the outputs with LDSO's – (Chris Price to liaise with Jason Brogden) - Qualification Assessment Document – key questions relate to all LDSO's – meeting in diary to discuss how we provide one overall joined up response – (Chris Price) - Lack of published requirements – Confirmation required from Ofgem	MHHS Programme SI	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)
Additional costs to be calculated because of the recalibration of plan	Forecast costs after securing costs from vendors. These will be submitted to the board for approval.	SSEN	M10	Board approval of costs .	SSEN board and Ofgem	Approval of CR055 by Ofgem Approval of additional costs by SSEN Board	SSEN Board	M10
Program replan M10	Low level detail required from program in CR055 expected 23/09/24		M10	Dependency	Programme Recalibration	Reliance on program providing the low -level detail as part of the CR055 replan timelines to allow us to meet expectations		M10

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Note : Some DNOs have ranked subjects Red using existing milestones as reference. Others using the published CR055 dates as reference and are therefore ranked Amber/Green.

	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	Availability of core software products MPRS,UMSO etc to support NON-SIT LDSO PIT & Qualification is unclear	Unable to meet PIT/Qualification timelines in mitigation working with suppliers to escalate any issues with program and obtain resolution (as above)		M10	Dependency	NFT Tooling	NFT Tooling to manage volumes as it's not a proven tool or mechanism		M10
	Potential impact on DNO budgets dependant on environment, testing requirements and timescales for SIT	Potential under-recording of DNO cost impacts in the Programme benefits. DNOs will require approval of additional Programme funding		M10	Dependency	Migration	Program reducing the complexity in reverse migration process to enable timelines to be met		M10
	Non-SIT LDSO NFT PIT – Solution to pass messages via DIP to test volume/capacity	Untried solution, could result in missed PIT program timelines for Non-SIT LDSO's as no other solution available within timelines		M10	Assumptions	Qualification NFT	Qualification & Code Bodies will provide the detail to Non- SIT LDSO's in relation to testing and placing reliance to enable plans to be built timely		M10
	Data Cleanse activity may take longer than aligned within program plan due to poor quality data	Missed timelines migration and/or extended timelines and/or poor-quality data		M10	Assumptions	Qualification NFT	Change requests for descoping gas volumes & UMSO & Network operations from testing are approved timely		M10
	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 – Subject to revised dates CR055	n/a outside of party control. Monitor programme SIT progress.	MHHS						
	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 – Subject to revised dates CR055	Monitor release progress. Caveat PIT execution if required.	St Clements / DNOs						

RAGs	Overall	Approach	Plan	Resources	Budget	Risk

DNOs Status & Outlook

Progress since last month

SIT Participant

- Continued SIT activity to slightly revised plan.
- Commenced QAD preparation.
- Fed back on SDD and LLSD consultation.
- Fed back on SIT Operational Theme 3 test cases consultation.
- Undertook population of meter location/display register activity.
- Engagement with Programme re: scenario planning.
- LDSO Service User engagement with Helix.

Non-SIT Participants

- The ESME ID live upload completed outcomes made known to MHHS and suppliers by participants
- **QT Test Data** – Engagement with MHHS prog on the QT test scope for Eclipse before working on the test data file
- **DIP onboarding** – Completed by Tech provider & Eclipse in Progress Completed DIP onboarding

Expected key activities next month

SIT Participant
- Undertake IA on CR055 and submit response.
- Submit QAD, unless date is amended.
- Review R0209 and P478.

Non-SIT Participants
- **Data Cleanse -** MPL & Registered Digits (smart meters) live data load and processing between 20th – 22th of Sept with declarations made to the programme by the 23rd of Sept
- **QT Test Data** – QT Test data file completed and sent to the programme for validation
- PIT test completion
- Meter location data cleanse

DNO Key Deliverables & Activities	Latest Status	Due Date & RAG	Relevant Programme Milestone(s)
IDNO System Integration Testing (SIT) Participants			
SIT Functional Cycle 2	Progressed well, although overall Programme progress slow	20.09.24	M10
SIT Migration	Progressing well, although overall Programme progress slow	14.03.25	M10
Settlement Testing	Settlement testing is progressing very slowly and there is a risk that testing does not provide the relevant confidence expected by the Programme/LDSOs	20.12.24	M10
Preparation for SIT Non-Functional	It is unclear what scope is required for PIT NFT ahead of SIT NFT	05.01.25	M10
Preparation for SIT Operational	On track	10.02.25	M10
Non-SIT LDSO Qualification Testing			
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs	Progress for M10 looks positive but still some preparation to undertake.	07.03.25/07.08.25	M10
QT Readiness	Working with third party tech provider on PIT stage completion for QT readiness	01.11.24	M10
Test scope and RTTM for QT	Submitted	16.08.24	Non-SIT LDSO Testing milestones

Escalations

None

Risks, Issues & Dependencies

Key Risks & Issues	Mitigation, Impacts & Latest Actions	Owner	Relevant Programme Milestone(s)	Key Dependencies & Assumptions	Dependency On	Summary & Key Actions	Stakeholders	Relevant Programme Milestone(s)
SIT NFT requirements unclear	There is very little SIT NFT, which puts onus on parties' own PIT NFT. Without clarity of Programme expectations, it is difficult to identify what PIT NFT should be undertaken. Risk of PIT NFT delays. Liaising with Programme.	Programme/LDSOs	Non-Functional/Qualification Testing					
Settlement Testing	Whilst we support the plan to re-commence Settlement testing after the environment re-set period, in cycle 3, there is a risk that around Christmas time, the Settlement Testing still does not provide IDNO's and/ or the MHHSP with the level of comfort/confidence it was original planned to do. This includes potential impacts to the DUoS billing processes and data.	Programme	SIT Settlement					
Overall SIT	Until CR055 approved and baselined there is a risk that uncertainty impacts overall SIT activity.		Overall SIT					

MHHS PROGRAMME
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Overarching Costs for MHHS Central Parties FY 24/25

Financial Measure	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Totals (£m)*
	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	
MHHS Budget	2.09	1.88	1.71	2.06	1.66	2.56	1.76	1.61	2.43	1.58	1.55	2.68	**23.58**
MHHS Actual/Forecast	1.84	1.93	1.71	1.77	1.73	1.78	1.77	1.66	1.59	1.70	1.66	4.44**	**23.58**
DCC Budget		1.01			4.45			3.35			2.52		**11.33**
DCC Act/Forecast***	0.35	0.25	0.19	0.17	0.29	1.69	1.69	1.23	1.38	1.14	1.51	1.33	**11.22**
Helix Budget	3.40	3.40	3.40	3.40	3.40	3.40	1.80	1.80	1.80	1.80	1.80	1.80	**31.20**
Helix Act/Forecast	2.90	3.20	3.10	3.30	3.00	3.50	2.60	2.00	1.50	1.90	1.90	2.00	**30.9**
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 Forecast	0.33	0.34	0.25	0.25	0.28	0.42	0.33	0.14	0.20	0.24	0.25	0.29	**3.32**
Total Budget	**6.19**	**6**	**5.74**	**7.22**	**6.85**	**7.89**	**5.05**	**4.71**	**5.58**	**4.49**	**4.47**	**5.64**	**69.85**
Total Act/Forecast	**5.42**	**5.72**	**5**	**5.49**	**5.02**	**7.39**	**6.39**	**4.89**	**4.67**	**4.98**	**5.07**	**7.77**	**69.02**

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 |

FTIG meetings

- Recent focus of sessions has been tracking progress on SIT Migration (SIT M) and SIT Functional (SIT F) Cycle 2 including Settlement Testing, and improvement actions

- Recent key topics:
  - o SIT progress for Sprints 4.1 and 4.2 vs Cycle 2 targets
  - o Waiving Cohort Anonymity and improved ADO set-up for Cycle 3
  - o Sprint 4.1 Cohort Trials
  - o Updates on SIT-B Settlement testing test case rationalisation and completion criteria
  - o Test evidence optimisation
  - o CR055

- Continued good engagement from CPs and PPs

- Open & transparent discussion on the above topics both in FTIG and in associated bilaterals

- Running weekly and for an extended duration of 90 mins as requested by participants

- FTIG content continues to be shared as appropriate through SITWG, SITAG, PSG

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

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MHHS Programme – Code Workstream Summary
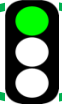
Overall Status

- Code Drafting Workstream M6 activities are complete
- M7 Ofgem SCR activities have started with new BSC, REC and DCUSA changes being raised.
- M8 activities are on track, although M10 delivery date is at risk
- Post M6 Code change process and DIN analysis has started

September Summary

- Develop post-M6 work off items and Code change process
- Support and monitor M7 relevant SCR Modifications delivery
- Support and monitor M8 BSC/REC/DCUSA implementation activities

October Deliverables

- Progress past-M6 work off items and change process
- Support M7 relevant SCR Modifications delivery
- Support M8 BSC/REC/DCUSA implementation activities

Mstn Ref	Drafting Milestones	Baseline date	Forecast date	Status
T3-RE-0550	Code changes baselined (M6)	23/08/24	23/08/24	Complete
T2-RE-0600	Smart Meters Act powers enabled (M7)	11/12/24	11/12/24	Green
T2-RE-0650	Code changes delivered (M8)	07/03/25	07/03/25	Amber

PSG - Qualification Update

Overall Status / Progress

Overall Qualification:
- Review of impact of the recalibration exercise on the Qualification dates across SIT, Non-SIT LDSO and Non-SIT S&A waves.
- Qualification Approach & Plan, Annex 1, Annex 2 and Qualification Assessment Document approved at the REC and BSC PABs in August.
- Self-Qualification Assessment Document (SQAD) for new BSC Market Entrants issued for industry consultation.

Non-SIT Supplier & Agent Qualification:
- Annex 2 approved alongside QA&P at REC and BSC PABs.
- Further update on Placing Partial Reliance position and impact on Non-SIT S&A QT Participants test scope at QWG.

Non-SIT LDSO Qualification:
- Working between LDSO and LDSO QT team to agree Test Data
- LDSO are well underway with DIP Onboarding. Smoke testing element to take place in November.
- Test harness connectivity and acceptance testing underway
- Sessions held to finalise LDSOs individual test scope which will be used to agree individual test schedules.

Key upcoming milestones

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

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. As part of CR55, Test start date proposed to be moved to January 2025 which will allow more SIT testing to complete.	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. Review alongside the re-evaluations of timelines.	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
Non-SIT Supplier & Agent	Risk that a large number of Suppliers and Agents will wish to move wave due to the delay to Programme dates and will exceed capacity.	Engagement with participants to understand appetite for wave move. Code Bodies to agree process to assess requests to move wave and process for dealing with oversubscription of waves.	A

Migration Status

- **Migration Framework:** First Migration Framework consultation focused on developing and maintaining the Migration Schedule. Second consultation focused on monitoring and controlling Migration Execution. Artefacts were approved by MCAG on 25 July. The third Migration Framework Consultation will be scheduled after the Supplier Migration schedules have been received and analysed to ascertain if any changes are required to the artefacts as a result of that activity.

- **Supplier migration schedules**

    o **Migration timelines:** Capacity Envelopes were issued on **31 July.** All Suppliers must submit their submissions to the Migration Control Centre (MCC) by **2 October**. This deadline remains the same irrespective of the Programme recalibration exercise. This is because the Supplier initial submissions will primarily be used to test and validate that the approaches set out in the Migration Framework work as envisaged, enabling the Framework to be approved & baselined.

    o **Supporting materials:** The Migration team facilitated two webinars on **5 and 6 August**. Webinar slides, recordings and Q&A document are available on the Collaboration Base and Website. Following the webinars and in response to participant feedback, the Migration team have provided some worked examples of Supplier submissions available on the 'Migration Supplier Envelope & Plan Submission' page of the Collaboration Base and Website. The Migration team have also facilitated several drop-in sessions for Suppliers to ask specific questions about their submissions. The Q&A document has been updated to capture questions and responses following each session. The last drop-in will be on **Monday 23 September 2024, 12 – 12.30pm.**

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

Governance group updates

Programme Steering Group (PSG)

PSG 04 September 2024

M6: SRO ratified the approval of M6 'Code Change Baselined'.

CR054: SRO ratified the approval of CR054, *Change to Non-Functional Requirements for LDSOs.*

M10 Planning Update: Programme provided the latest update on the changes to be made to the Programme Plan.

Testing Update Programme provided an update on testing progress in Cycle 2 including Sprint 4 and 4.1 as well as an outline of a new MVC Cohort Trial which has been introduced in Sprint 4.1.

PSG papers available here.

Design Advisory Group (DAG)

DAG 11 September 2024

Meeting held by correspondence owing to diminishing content.

Change Request Update: CR054 (*Change to Non-Functional Requirements for LDSOs*) was approved at September PSG after widespread support in the Impact Assessment and a recommendation by the Change Board.

The proposed change enables LDSOs to complete testing (the performance testing element of NFT PIT) against the appropriate baseline, otherwise they would be required to test against an unreasonable baseline.

DAG papers available here.

Cross Code Advisory Group (CCAG)

CCAG 25 September 2024

In the meeting, the CCAG provided updates on:

Programme Updates: Including planning update on the proposed M10 timeline

Horizon Scanning Log: National Grid ESO, DCUSA, REC and BSC provided updates

DIP Governance: BSC provided an update on how DIP Governance will operate.

M6 Reporting: Post M6 Code Change Process

M7 Delivery: Ofgem M7 delivery.

M8 Code implementation: Code Bodies update on the M8 Code Implementation/go-live.

Code Meeting Cadence: SRO approved the Post M6 Code Governance Meeting Cadence.

October CDWG1 was cancelled and December CCAG was brought forward to 18th December PM.

CCAG papers available here.

System Integration Testing Advisory Group (SITAG)*

SITAG 18 September 2024

New SITWG Terms of Reference: SRO approved SITWG Terms of Reference (v1.2) incorporating EWG content into SITWG from October onwards.

SIT Non-Functional Test Scenarios & Test Cases: SRO approved SIT Non-Functional Test Scenarios & Test Cases Theme 3 (v0.2).

SIT Operational Test Scenarios & Test Cases Theme 3: Programme provided an update on the deferral of the approval of the SIT Operational Test Scenarios and Test Cases Theme 3.

Programme also provided an update on SIT Progress Management and Scenario Planning.

SITAG papers available here.

Qualification Advisory Group (QAG)*

QAG 19 September 2024

Programme Milestones related to QAG: The Chair, acting with delegated authority of the MHHS Senior Responsible Owner (SRO), approved the LDSO Test Harness, T3 milestone date change in addition to the QAD submission dates.

Programme also provided an update on the proposed M10 timelines and the main changes that have been made to the critical path.

QAG papers available here

Migration & Cutover Advisory Group (MCAG)*

August & September MCAG were cancelled due to limited content

MCAG 25 July 2024

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

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

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

MCAG papers available here.

Wider Programme Updates

Participant Checklist:

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

1. REMINDER: Self Qualification Assessment Document (SQAD) Consultation – the deadline is **Friday 27 September 2024**
2. REMINDER: Migration Envelopes and Weekly Submission Templates – the deadline is **Wednesday 2 October 2024**
3. REMINDER: Meter Location and Number of Displayed Register Digits Production Data Load – the deadline is **Friday 4 October 2024**
4. NEW! Population of Connection Type activities – the deadline is **Friday 4 October 2024**
5. REMINDER! Change Request CR055 issued for Impact Assessment – the deadline is **Friday 4 October 2024**
6. NEW! Change Request CR056 issued for Impact Assessment – the deadline is **Thursday 10 October 2024**
7. REMINDER: Non-Systems Integration Testing (SIT) Licensed Distribution System Operator (LDSO) Qualification Testing Industry Standing Data (ISD) Files now available – the deadline is **Friday 11 October 2024**
8. NEW! Service Activation Information Update
9. REMINDER: Design Interim Release 8.3 Artefacts published

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.

Upcoming Governance Meetings:

- **Wednesday 2 October 2024:** Programme Steering Group (PSG)
- **Wednesday 2 October 2024:** Data Cleanse Working Group (DCWG)
- **Wednesday 2 October 2024:** Non-SIT Supplier and Agent Qualification Testing Sub-Group (SAQTSG)

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

Testing

- The PPC has been supporting the Testing team with comms and engagement activities with SIT participants in recent weeks to help to improve SIT testing velocity. This has included additional bilateral meetings to better understand any blockers to progress, and a SIT execution modelling exercise.
- The SIT Non-Functional Test Scenarios and Cases for Theme 3: Targeted Interfaces were approved at the September SITAG.
- The PPC coordinated the industry review of SIT Operational Test Scenarios and Cases for Theme 3 (Batch 1) and will be uplifting the scenario summary sheet on Monday 30 September based on participant comments.
- **Next Steps:** Send out the post sprint/end of Cycle 2 report to participants, continue to support the Testing team with preparatory activities for Cycle 3, facilitate the Cycle 2 retrospective on 8 October to validate Cycle 3 intentions.

Qualification

- The PPC supported publishing of the SQAD for a second consultation closing 27 September. Engaging with the 2 participants that it impacts to ensure they input comments.
- The PPC are supporting the Code Bodies with Qualification Wave allocation communications and engagement. An update on this will be available at the QWG and QAG meetings in October. At present, participants will stay in their allocated wave and should use this assumption in responses to the CR055 Impact Assessment.
- The PPC is tracking progress of non-SIT LDSOs DIP onboarding through weekly status reports. A total of 5/11 have now onboarded and follow up meetings are being held with participants that are experiencing issues or blockers. From a Qualification Testing perspective, A day in the life document is being developed to support participant experience.
- **Next Steps:** Support participant queries regarding Qualification timelines and Wave allocation, and continued support to Non-SIT LDSOs for the successful completion of DIP Onboarding.
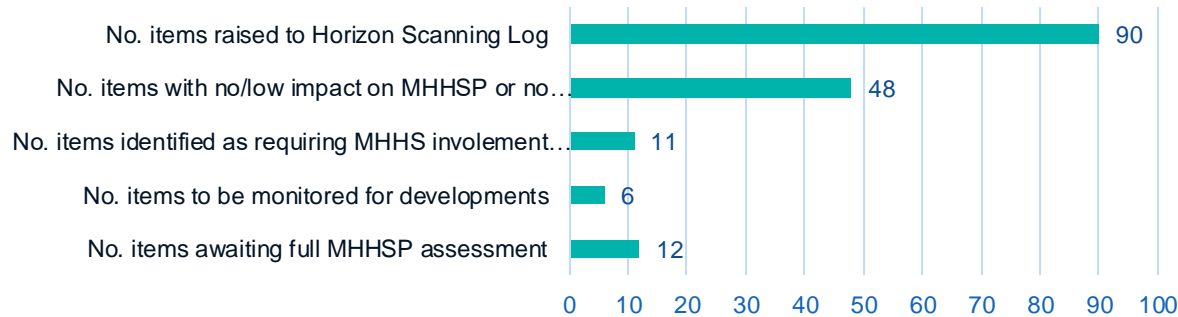
Targeted and Tailored Communications

- The PPC published a new page on the Collaboration Base and Website for CR055 with all supporting documents required for participants to complete their impact assessments
- Published Design Artefacts for IR 8.3 on Collaboration Base and Website
- The PPC are continuing to make updates to the Participant Checklist, ensuring all relevant information is presented to Programme Participants, including updated Qualification Deliverables dates subject to CR055 approval.
- Communications on DIP SIM IR 7.3 was issued, which was stood down on Friday 20 September.
- **Next steps:** Continue the Phase 3 improvements on the Communication Channels, continued clean-up of the CRM and review of all Collaboration Base and Website pages, and planning for the Annual Communications survey.

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

Horizon scanning metrics

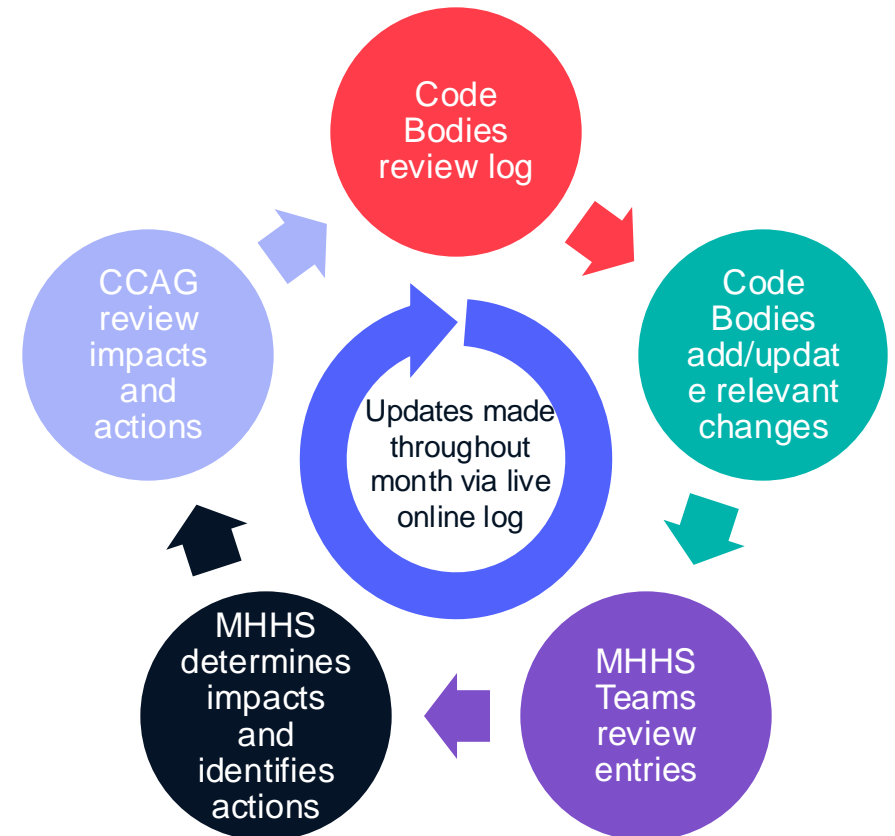The following graph summarises items being monitored via the Programme's horizon scanning process

Category	Value
No. items raised to Horizon Scanning Log	90
No. items with no/low impact on MHHSP or no…	48
No. items identified as requiring MHHS involement…	11
No. items to be monitored for developments	6
No. items awaiting full MHHSP assessment	12

More information can be found via the CCAG meeting papers

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

Industry code changes: 90 – REC: 49, BSC: 19, DCUSA: 14, SEC: 5, CUSC: 3
Wider industry changes: 5 – HH opt-out, DUoS SCR, code review, microbusiness definition, licence change
Criticality of horizon scanning items – High: **11**, Medium to High: **3**, Medium: **3**, Low/No impact: **48**
Top RAID linked items:
* **SEC MP162** (R0011, R0083, R0113, R0115, R0116, R051, R0182, R0191, D0076, D0077)
* **REC R0032** (D0068, D0069)   **REC R0044** (D0055)

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

Code Bodies review log

Code Bodies add/update relevant changes

MHHS Teams review entries

MHHS determines impacts and identifies actions

CCAG review impacts and actions

Updates made throughout month via live online log

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

Assurance Activities in Progress / Completed during month

Theme-Based Assurance

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

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

- **Ad-hoc Assurance and Advice (WP14) - In Progress -** Consequential change check-ins are now completed as Assurance Period 7 fieldwork is completed.

Stage-Based Assurance

- **Assurance Period 7 - 1 July 2024 to 7 October 2024 - In Progress** - Assurance activities include ongoing monitoring and meetings with a sample of 15 Participants' which are not complete. Observations and recommendations have been shared with the relevant parties as we've performed the fieldwork and final reporting is now in progress. The focus for this Assurance Period has been:;
    - **Test Assurance (WP9-11)** - SIT F and SIT M progress; readiness for SIT NFT and SIT Operational;
    - **Qualification (WP12)** - Continued monitoring over preparation activities for Non-SIT LDSO Qualification Testing:
    - **Migration (WP13) -** Continued monitoring over migration preparation and readiness activities, including artefact consultations; Monitor the progress of transition activities through attendance at TORWG, DCWG & MCAG
    - **Consequential Change (WP14)** - Evidence gathered on participants impact assessments and implementation plans.
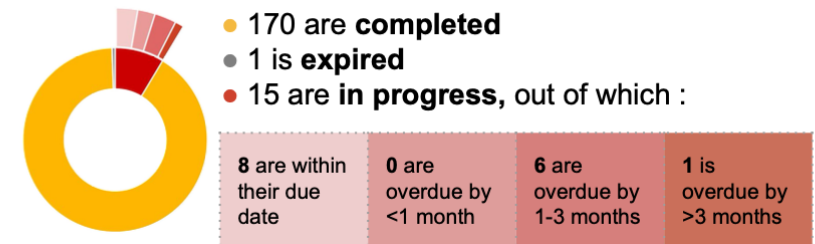
Upcoming Assurance Activities

- **Assurance Period 8** - includes Testing, Qualification, Migration and Consequential Change assurance. Period 8 will run from October 24 to January 25.

- **WP5 Separation Plan Review** - to assess the operating effectiveness of the controls outlined in the Separation Plan.

Assurance Action Status

Overall,186 actions are agreed with the Programme team or Participants to date.

- 170 are **completed**
- 1 is **expired**
- 15 are **in progress,** out of which :

8 are within their due date	0 are overdue by <1 month	6 are overdue by 1-3 months	1 is overdue by >3 months

Below are the actions opened and completed within the last period.
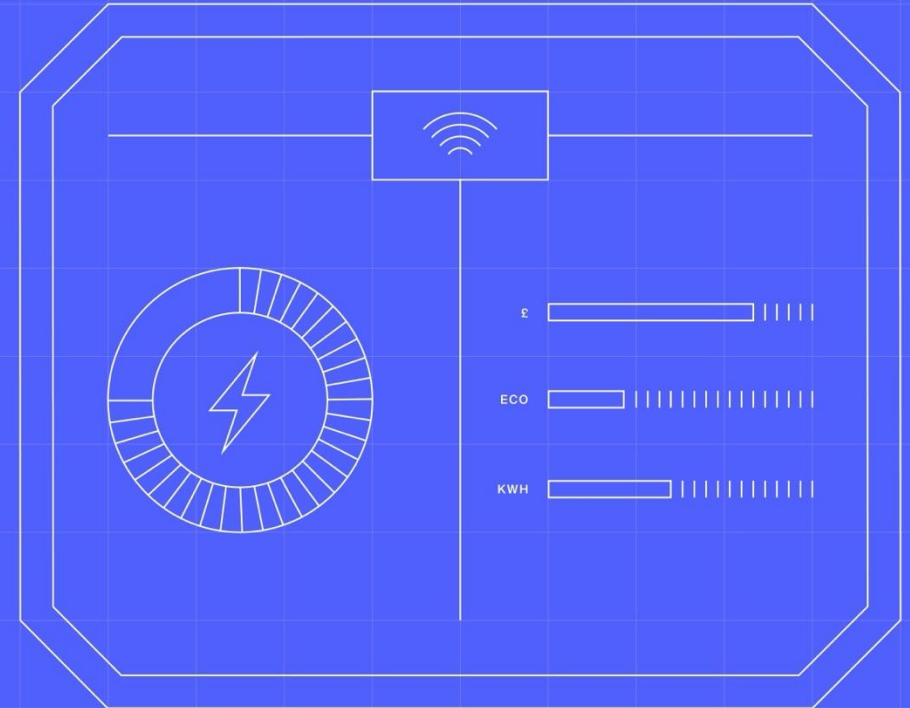
New actions opened	8
Actions completed	1

Summary and Next Steps

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

Chair and Secretariat

5 mins

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Summary and Next Steps

1. Confirm actions and decisions from meeting

2. An e-PSG for a decision on CR055 and CR056 will be held on **18 October 2024**

3. Next PSG meeting: **06 November 2024 10:00 – 12:30**

06 November 2024 agenda items	Standing items
• Testing Update • Programme Change Requests • Change/Design Management post m-10 • CR055 Ofgem Decision Update (provisional)	• Minutes and Actions • Programme Reporting • Delivery Dashboards • Summary and Next Steps

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

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Appendix 1 – RAID Theme Slides

Theme	Summary	Mitigation Approach Overview	
Risks to SIT Functional Execution	The theme explores the factors which may affect the Programme being able to complete SIT Functional within the planned duration	• Continuous monitoring of the MVC (through SIT CIT) to ensure that the MVC remains viable • Maintenance of pairing relationships via go-live cohorts, to enable better programme decisions based on risks / clarity on ways of working that enable SIT parties to work effectively, transparent and fairly with the programme to complete SIT in an optimum way	

Key Risks

Risk ID	Risk Description	Risk Score Assessment (Critical 30–25 / High 24–17 / Medium 16–9 / Low 8–1)	Current score movement since last PSG	Mitigation Plan
R849	There is a risk, raised by some Participants in SITWG, FTIG, SITAG and NFTWG that the delivery of SIT Functional Test execution is more difficult than expected, along with the concurrent SIT Test Stage execution activities, resulting in some Participants under increased pressure to deliver at the pace required.	C at 25 → I at 18 → T at 13	Score remains at 25	1. Programme has reviewed progress and is continuing to have discussions with IPA 2. Ongoing Bilaterals with PPs to understand resourcing concerns and constraints from their side. 3. Programme is looking at rationalising Tests. Looking at options to reduce PP evidence capture burden. 4. CR055 recalibration will alleviate this risk as activity has been re-calibrated to a more appropriate delivery timeline. Programme will report against the CR055 forecast dates once, and if, the CR055 is recommended for approval by PSG to Ofgem c 21/10.
R753	There is a risk that if the MHHS Service Design is not completed at pace, the minimum required service management processes (and supporting technology) will not be ready to test within the SIT Operational testing phase starting in October 2024.	C at 25 (←) , I at 18 → T at 13	Score remains at 25	1. Direction of travel is that post M10 changes will be managed via the existing BAU Code Bodies change processes, as such Code Bodies have indicated that they will not be retaining the MHHS design artefacts as these have been superseded by the individual code artefacts. 2. Elexon have received feedback from Industry and MHHSP and are looking to get a final version agreed by end of September. Note SIT Operational dates have changed due to re-calibration to be confirmed through CR55.

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

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Key	
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Theme	Summary	Mitigation Approach Overview
Risks to SIT Functional Execution	The theme explores the factors which may affect the Programme being able to complete SIT Functional within the planned duration	• Continuous monitoring of the MVC (through SIT CIT) to ensure that the MVC remains viable • Maintenance of pairing relationships via go-live cohorts, to enable better programme decisions based on risks / clarity on ways of working that enable SIT parties to work effectively, transparent and fairly with the programme to complete SIT in an optimum way

Key Risks

Risk ID	Risk Description	Risk Score Assessment — Critical	High	Medium	Low	Current score movement since last PSG	Mitigation Plan
		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		
I183	There is an issue that Settlement Testing will not complete by SIT F Cycle 2 Sprint 4.					Score remains at 5 (Issue Score)	1. CR055 recalibration will alleviate this issue as activity has been re-calibrated to a more appropriate delivery timeline. Programme will report against the CR055 forecast dates once, and if, the CR055 is recommended for approval by PSG to Ofgem c 21/10.
i190	There is an issue that Non-Functional Testing may not start on time due to Settlement Testing not completing in SIT F cycle 2 Sprint 4.	I C → T				Score remains at 5 (Issue Score)	1. CR055 recalibration will alleviate this issue as activity has been re-calibrated to a more appropriate delivery timeline. Programme will report against the CR055 forecast dates once, and if, the CR055 is recommended for approval by PSG to Ofgem c 21/10.

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Risk theme 2: SIT Migration Execution

Theme	Summary	Mitigation Approach Overview
SIT Migration Execution	The theme explores the factors that could impact the Programme being complete SIT Migratoin	• Bilaterals have been scheduled to understand the reasons regarding Participants throughput • 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 1		
R946	There is a risk that PPs will not complete SIT Migration in line with current Programme Plan		C → T			Score remains at 24	1. CR055 recalibration will alleviate this risk as activity has been re-calibrated to a more appropriate delivery timeline. Programme will report against the CR055 forecast dates once, and if, the CR055 is recommended for approval by PSG to Ofgem c 21/10.
R922	There is a risk that Cohorts who have not exercised sufficient SIT Functional CoA and CoS Testing will be impaired during the initial weeks of SIT Migration, uncovering Defects that could have been uncovered by earlier SIT Functional Testing		C ← I → T			Score remains at 20	1. Programme to outline overall SIT M execution model, with assumptions to support required velocity of testing, to provide a benchmark for gauging whether future testing progress is on track. 2. Programme to monitor, report progress on incomplete Cycle 1 tests until they have been completed – with adjusting actions being taken collaboratively with Participants. 3. Programme to continue to monitor, report testing progress through SIT M vs. the benchmarked execution model, for gauging whether future testing progress is on track – CR055 recalibration will alleviate this risk as activity has been re-calibrated to a more appropriate delivery timeline. Programme will report against the CR055 forecast dates once, and if, the CR055 is recommended for approval by PSG to Ofgem c 21/10.

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Theme	Summary	Mitigation Approach Overview
Risks to SIT Non-Functional and SIT Operational	The theme explores the factors which may affect the Programme being able to complete SIT Non-Functional and Operational within the planned duration	• A PIT NFT Tooling questionnaire has been issued to all participants as a means of understanding their current methods of generating, and processing, of IFs and PUBs messages. • Additionally, participants have been asked how they have simulated various routes outside of programme scope but are integral in allowing end to end business processes to be completed.

Key Risks

Risk ID	Risk Description	Risk Score Assessment	Current score movement since last PSG	Mitigation Plan
		Critical · High · Medium · Low		
R948	There is a risk that delayed return of PIT readiness documentation from PPs may delay the start of SIT NFT.	C → T (21)	Score remains at 21	1. SIT Team communicated with PPs on FTIG. PPC have added this risk as an agenda item in Bilaterals. 2. CR055 recalibration will alleviate this risk as activity has been re-calibrated to a more appropriate delivery timeline. Programme will report against the CR055 forecast dates once, and if, the CR055 is recommended for approval by PSG to Ofgem c 21/10.
R911	There is a risk that suppliers/registration services are not going to meet the current Non-Functional Requirements targets	C → T	Score remains at 21	1. LDSOs raised CR54 to amend LDSO CRs appropriately. CR54 approved and awaiting implementation.

Risk Score Assessment scale: 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

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

Key Risks

Risk/Issue ID	Risk Description	Risk Score Assessment																													Current score movement since last PSG	Mitigation Plan
		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		
R532	There is a risk that SIT participants will need to execute additional Qualification Testing to qualify																C						I			T							Score remains at 15	1. Static RTTM for SIT Functional has been baselined and shared with Code Bodies, these will be covered in Change Control. Static RTTM for SIT Migration is due to be released w/c 23-September to be shared with Code Bodies. 2. Existing Automated RTTM is being aligned with the baselined version. 3. Any additional test scope is being reviewed alongside a test case rationalisation activity so that any net increase in test scope may be minimised. The CR55 plan proposal and recommendation is being clearly defined against any expected change in test scope.

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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	• Some of the existing risk factors around M10 / M11 will be mitigated by the findings throughout SIT Testing, which will evaluate assumptions, highlight to the Programme the areas which require attention and allow the Programme enough time to make the changes necessary for M10 / M11 success • The Migration Design, the Migration Cutover & Data Strategy, the Data Cleanse Plan, the Migration Thresholds Document and ongoing Code Drafting will provide Participants necessary materials to prepare for M10 / M11

Key Risks

Risk ID	Risk Description	Risk Score Assessment Critical / High / Medium / Low	Current score movement since last PSG	Mitigation Plan
R700	There is a risk that Suppliers and Agents do not complete Qualification in line with their delivery plans and this places pressure on the volumes that needs to be delivered over the remainder of the migration period	C and I at 16, T at 9 (Score remains at 17)	Score remains at 17	1. Engagement with Suppliers and Agents to ensure they build a Qualification delivery plan that is achievable, and that they remain on track to deliver this plan. 2. Increased flexibility from Code Bodies in wave qualification. 3. Close liaison and reporting required from Qualification team to the Migration Control Centre. 4. Workshops held with Elexon and Migration Control Centre to understand the MI reporting which would be in place to monitor S&A QT participants through Qualification. Follow up sessions to be held to understand escalation approach where off track.
R828	There is a risk that Suppliers initiate more migrations than planned, or exceed the Threshold volumes	C at 16, I at 14, T at 7 (Score remains at 18)	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. 2. Migration governance framework developed with MWG. Incentives to be developed with Code Bodies.

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

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

Key Risks

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 2 1		
i196	There is an issue there is currently no ownership of Qualification Assurance of Non-Functional Requirements. Previously, the Code Bodies had assumed that they had the vires to assure NFR compliance however, it was recently uncovered that the NFRs sit within the DIP code, leaving a gap		C ⟶ T			New item	1. Conversations are in place with Elexon to agree ownership

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

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 1		
R745	There is a risk that Post M11, migration is ramped up too quickly before performance has indicated the number of migrations can be ramped up.			C →	T	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. 2. Migration Team are currently considering incentives related to the Migration period.

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