



MHHS  
PROGRAMME

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# Programme Steering Group #26

## 08 November 2023

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Version 1.1

MHHS-DEL1874

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# Agenda

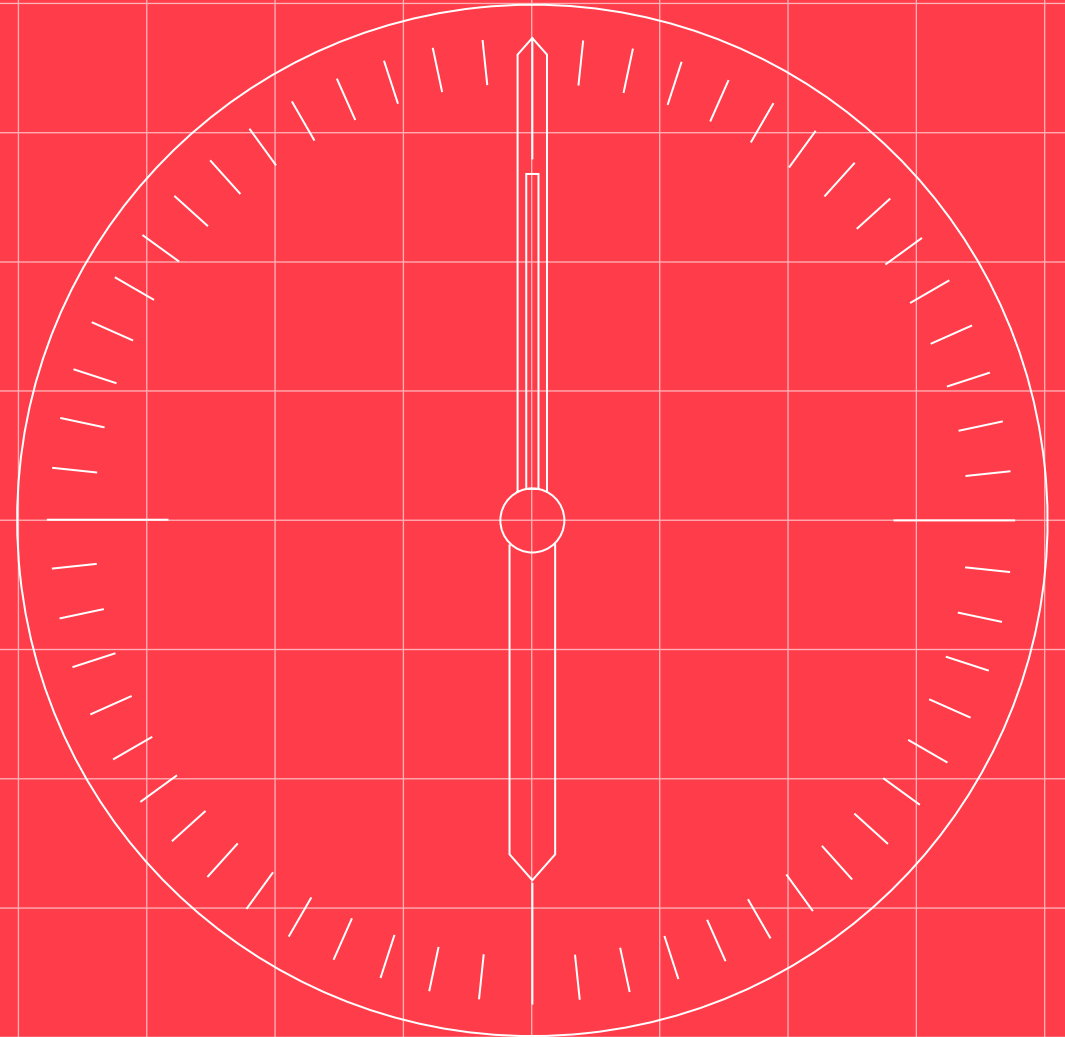
#	Item	Objective	Type	Lead(s)	Time	Page
1	Welcome		-	Chair	14:00-14:05 5 mins	1
2	Minutes and Actions	Approve minutes and review actions	Decision	Chair & Secretariat	14:05-14:15 10 mins	3
3	Sponsor Update	Update from the Programme Sponsor	Information	Ofgem	14:15-14:20 5 mins	6
4	Programme Reporting	Progress reporting against the Programme Plan	Information	Programme (Keith Clark)	14:20-14:30 10 mins	7
5	Qualification Testing Initial Plan	Update on Qualification Testing initial plan	Information	Programme (Chris Harden & Nicola Farley) & Elexon (Victoria Moxham)	14:30-14:45 15 mins	11
6	MHHS Appeals Process	Summary and recommendations from the appeals process review	Information	Programme (Fraser Mathieson & Helen Adey)	14:45-14:55 10 mins	19
7	TMAG Restructure	Decision on proposed restructuring of the Testing and Migration Advisory Group (TMAG)	Information / Decision	Programme (Chris Welby)	14:55-15:10 15 mins	22
8	Delivery Dashboards	Questions from PSG members on delivery dashboard content	Information	Chair	15:10-15:25 15 mins	27
9	Elexon Budget	BSC governance requires SRO to request comment from PSG community	Information	Chair	15:25-15:30 5 mins	55
10	Summary and Next Steps	Summarise actions and decisions, and look ahead to next meeting	Information	Chair & Secretariat	15:30-15:40 10 mins	56

# Minutes and Actions

**DECISION:** Approve minutes and review actions

*Chair & Secretariat*

*10 mins*



## Minutes and Actions (1 of 2)

### 1. Approval of minutes and headlines of last PSG

### 2. Review of actions:

Ref	Action	Owner	Due	Latest Update
PSG17-05	Review the post-implementation approach to Benefits Realisation and how Benefits Realisation will be handed over to Ofgem at M16	Programme (Jason Brogden)	To be reviewed at CP2	ONGOING: MHHSP, Ofgem, IPA Benefits Realisation meeting 20-Oct-23 with Ofgem to consider post-implementation benefits monitoring framework and responsibilities for 2 key programme outcomes and reconvene 23-Jan-24
PSG18-05	Look into the assurance process for LDSOs for the accuracy of data for DUoS billing	Programme (Jason Brogden)	05/07/2023	ONGOING: Settlement testing framework, approach and methodology to be presented to industry in SIT deep dive on 7-Nov-23. DBT2 assurance options discussed as part of Programme, Ofgem IPA meeting 20-Oct-23. Next discussion 8-Nov-23
PSG20-03	PSG Constituency Representatives to encourage constituents to request bilateral discussion with Programme on SIT planning (e.g. to discuss systems, processes, practicalities of testing and qualification, operation of placing reliance policy, etc)	PSG Constituency Representatives	30/10/2023	RECOMMEND CLOSED: M9 approved at extraordinary PSG held 30 October 2023.
PSG21-05	Programme to discuss with IPA the potential inclusion of IPA test assurance activities alongside programme plan information, to assist participants' view of effort requirements	Programme and IPA	05/07/2023	ONGOING: IPA test assurance activities have been incorporated into the new MHHS Transition Timeline and Implementation Approach. The minor updates include a new swimlane within the POAP which cover related IPA activities. The updated document is due to be republished following the restructuring of certain SIT preparation activities (Q1 2024 Jan-Mar). In the meantime, participants are encouraged to contact the IPA for a view on any IPA assurance activities.
PSG23-03	Review the existing appeals mechanisms as described in the existing Governance Framework and determine whether a defined appeals process needs to be documented elsewhere. Findings will be shared with PSG.	Programme (Lewis Hall & Fraser Mathieson)	01/11/2023	RECOMMEND CLOSED: See agenda item 7.

## Minutes and Actions (2 of 2)

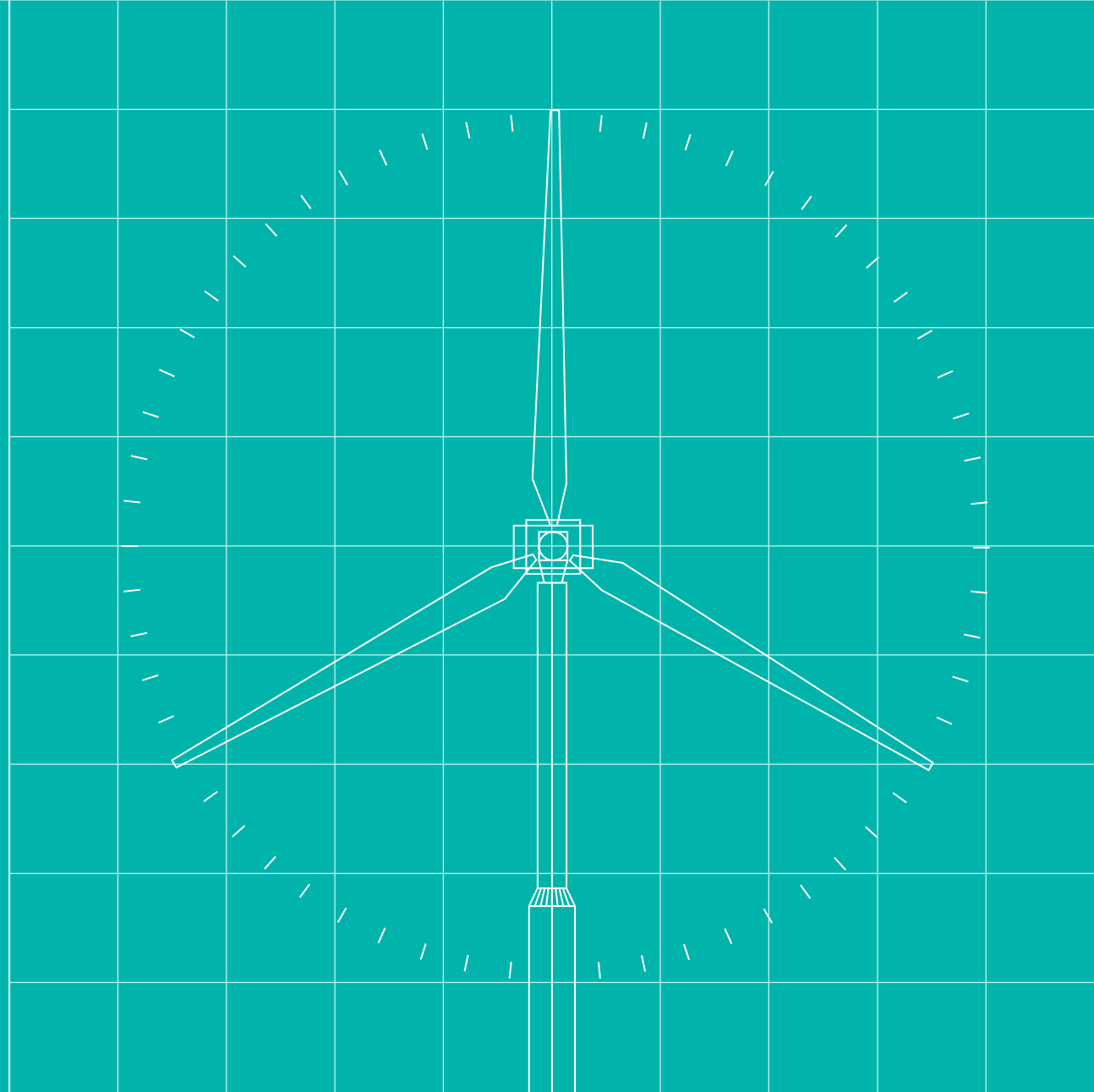
Ref	Action	Owner	Due	Latest Update
PSG24-01	Elexon and RECCo to provide transparency around qualification testing dates, assumptions on equivalence from SIT, and understanding of testing which may be required in addition to SIT-based evidence requirements. In addition, Elexon and RECCo to ensure the clarifications are raised to the Qualification and E2E Sandboxing Working Group (QWG) and current plan dates are published.	Elexon (Oli Meggitt) & RECCo (Jonny Moore)	04/10/2023	ONGOING: Update to be provided in meeting under agenda item 5.
PSG25-01	Helix to develop high level plan to take forward SASWG/CR013 outputs and engage with Change Raiser	Elexon Helix (Lewis Robertson)	08/11/23	ONGOING: Update to be provided in meeting.
PSG25-02	Programme to include SIT Stage Statuses in regular PSG dashboards	Programme (PMO)	08/11/23	RECOMMEND CLOSED: New dashboard added.
PSG25-03	Programme to work with Code Bodies and the IPA to present an initial plan for an alternative approach to the delivery of Qualification Testing to the November 2023 PSG	Programme (Chris Harden)	08/11/23	RECOMMEND CLOSED: See agenda item 5.

# Sponsor Update (*verbal*)

**INFORMATION:** Update from the Programme Sponsor

*Ofgem*

*5 mins*

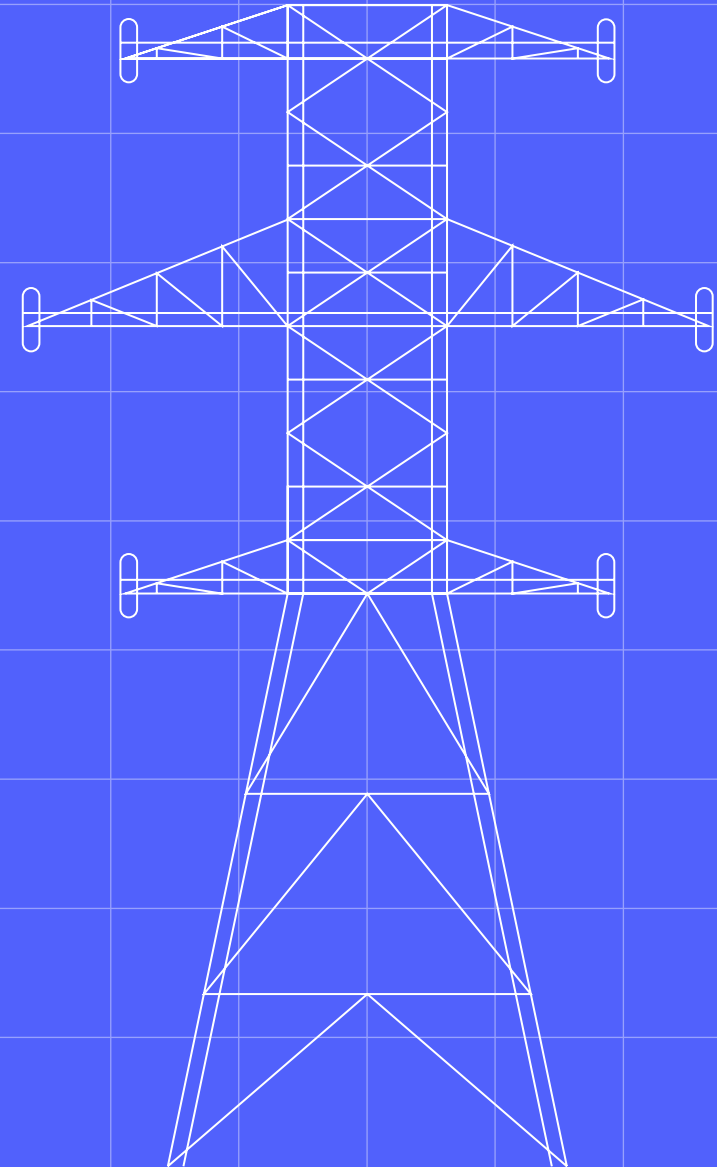


# Programme Reporting

**INFORMATION:** Progress reporting against the Programme Plan

*Programme (Keith Clark)*

*10 mins*



## MHHS Milestone Status (1)\*

Milestone ID	Milestone Title	Baseline Date	Forecast Date	Previous RAG 4 <sup>th</sup> Oct	Current RAG 8 <sup>th</sup> Nov	Forecast RAG 6 <sup>th</sup> Dec	Commentary
T3-DB-0083	Interim release 5 Go live	Wed 04/10/23	Wed 04/10/23				A further update to IR5 (IR5.1) has been published
T2-TE-0250	SIT Component Integration Testing 1 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	Mon 23/10/23	Fri 27/10/23				Approved at TMAG on 23/10/23 subject to agreed work-off plan being completed
T2-DB-0100	Phase 1 - SIT Volunteers (Core Providers) complete	Fri 27/10/23	Fri 27/10/23				All design assurance activities completed
T3-TE-0060	Component Integration Testing Interval 1 Start	Mon 30/10/23	Mon 30/10/23				Approved at eTMAG on 30/10/23
T1-TE-1000	System Integration Testing Start (M9)	Mon 30/10/23	Mon 30/10/23				Approved at ePSG on 30/10/23
T1-CP-2000	Control Point 2 - Start of Integration & Test (incl. Control Point Report approval)	Mon 30/10/23	Mon 30/10/23				Approved at ePSG on 30/10/23
T3-DB-0039	DIP Simulator uplifted to align with Interim Release 5	Fri 03/11/23	Fri 03/11/23				
T2-TE-0300	SIT Component Integration Testing 2 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	Mon 06/11/23	Mon 06/11/23				
T2-RA-0200	Readiness Assessment 3 - Design & Build Checkpoint 1 - Completed (incl. Readiness Assessment Report approval)	Fri 13/11/23	Mon 13/11/23				
T3-TE-0090	Environment Approach and Plan - SIT Functional	Wed 15/11/23	Wed 15/11/23				
T3-TE-0061	Component Integration Testing Interval 2 Start	Mon 13/11/23	Mon 13/11/23				

### Milestone RAG definitions

Complete

On track

Likely to be met if issues / risks are resolved / mitigated

Unlikely to be met without escalated support

- All Tier 1 and Tier 2 milestones to SIT Functional Testing Start are included. Selected Tier 3 milestones are included for context



## MHHS Milestone Status (2) \*

Milestone ID	Milestone Title	Baseline Date	Forecast Date	Previous RAG 4 <sup>th</sup> Oct	Current RAG 8 <sup>th</sup> Nov	Forecast RAG 6 <sup>th</sup> Dec	Commentary
T3-TE-0091	Environment Approach and Plan – Non-SIT LDSOs	Wed 15/11/23	Wed 15/11/23	Green	Red	Red	The LDSO element is on hold whilst discussions are being held between Programme and Code Bodies re: LDSO testing. When concluded, that update will be re-planned by agreement with TMAG
T2-DB-0250	Tranche 2 Transition Design Baselined	Thu 15/11/23	Wed 15/11/23	Green	Green	Blue	
T2-TE-0350	SIT Component Integration Testing 3 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	Mon 20/11/23	Mon 20/11/23	Green	Green	Blue	
T2-DB-0200	SIT PPs design assurance (excl Migration/Reverse Migration) complète	Wed 22/11/23	Wed 22/11/23	Green	Green	Blue	
T3-TE-0062	Component Integration Testing Interval 3 Start	Mon 27/11/23	Mon 27/11/23	Green	Green	Blue	
T2-TE-0400	SIT Component Integration Testing 4 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	Mon 04/12/23	Mon 01/12/23	Green	Green	Blue	
T3-TE-0015	SIT Functional Testing Test scenarios approved	Fri 08/12/23	Fri 08/12/23	Green	Green	Green	
T3-TE-0063	Component Integration Testing Interval 4 Start	Mon 11/12/23	Mon 11/12/23	Green	Green	Green	
T3-TE-0018	SIT Migration Testing Test Approach & Plan approved	Wed 20/12/23	Wed 20/12/23	Grey	Green	Green	
T2-TE-0450	SIT Component Integration Testing 5 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	Mon 08/01/24	Mon 08/01/24	Grey	Green	Green	
T3-DB-0139	All SIT Functional Test approach and plans MHHS Reviews Completed	Thu 11/01/24	Thu 11/01/24	Grey	Green	Green	

### Milestone RAG definitions

Complete

On track

Likely to be met if issues / risks are resolved / mitigated

Unlikely to be met without escalated support

- All Tier 1 and Tier 2 milestones to SIT Functional Testing Start are included. Selected Tier 3 milestones are included for context

## MHHS Milestone Status (3) \*

Milestone ID	Milestone Title	Baseline Date	Forecast Date	Previous RAG 4 <sup>th</sup> Oct	Current RAG 8 <sup>th</sup> Nov	Forecast RAG 6 <sup>th</sup> Dec	Commentary
T3-TE-0064	Component Integration Testing Interval 5 Start	Mon 15/01/24	Mon 15/01/24				
T3-TE-0070	SIT Functional Testing Test cases approved	Wed 17/01/24	Wed 17/01/24				
T3-DB-0140	All SIT Functional RTTMs MHHS Reviews Completed	Thu 18/01/24	Thu 18/01/24				
T3-DB-0141	All SIT Functional Test scenarios' MHHS Reviews Completed	Thu 18/01/24	Thu 18/01/24				
T3-BC-0010	Service Management Strategy approved	Fri 19/01/24	Fri 19/01/24				
T3-DB-0181	All UMSO PIT (CIT interval 6) Completion Reports MHHS Review Completed	Fri 19/01/24	Fri 19/01/24				
T2-TE-0500	SIT Component Integration Testing 6 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	Mon 22/01/24	Fri 19/01/24				
T3-TE-0065	Component Integration Testing Interval 6 Start	Mon 29/01/24	Mon 29/01/24				
T3-TE-0103	SIT Functional Connectivity Proving Complete	Fri 02/02/24	Fri 02/02/24				
T3-TE-0032	SIT Component Integration Testing End (incl. confirmation that PPs have submitted their Test Completion Reports to Programme for assurance)	Fri 23/02/24	Fri 23/02/24				
T3-DB-0142	All SIT Functional PIT Completion Reports MHHS Review Completed	Fri 23/02/24	Fri 23/02/24				
T2-TE-0550	SIT Functional Testing Preparation Complete	Fri 01/03/24	Fri 01/03/24				
T2-TE-0600	SIT Component Integration Testing Test Completion Report Approved	Fri 08/03/24	Fri 08/03/24				
T3-TE-0034	SIT Functional Testing Start	Mon 11/03/24	Mon 11/03/24				

### Milestone RAG definitions

Complete

On track

Likely to be met if issues / risks are resolved / mitigated

Unlikely to be met without escalated support

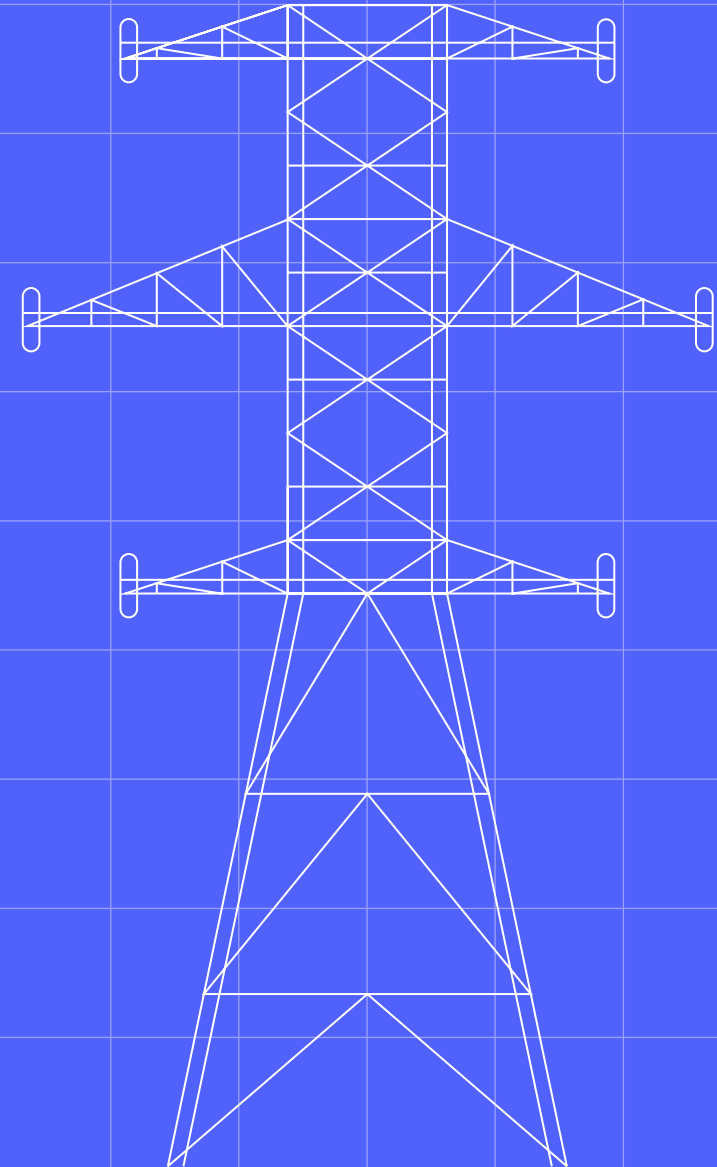
- All Tier 1 and Tier 2 milestones to SIT Functional Testing Start are included. Selected Tier 3 milestones are included for context

# Qualification Testing Initial Plan

**INFORMATION:** Update on Qualification Testing initial plan

*Programme (Chris Harden & Nicola Farley) & Elexon (Victoria Moxham)*

*15 mins*



# Background

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- We understand the need for urgency
- Today, a deliberate focus on non-SIT LDSO, our intention is to return to December PSG with further detail and principles on Supplier and Agent Qualification
- Feedback from the large Supplier community – particularly around tranching.
  - Needs further discussion
  - Initial meeting scheduled for this week
- Looked at planned dates, scheduling of activities, roles and responsibilities
- Overarching principles we've applied to the plan so far:
  - Seeking to reduce complexity, minimise/remove inefficiencies
- There are some key differences in today's plan compared to what we've previously presented
  - Uses resource more effectively with the Programme responsible for non-SIT LDSO Qualification Testing
  - Schedules activities to best achieve M10
- Key aspects:
  - Emphasis on collaborative working between Code Bodies, Helix and MHHSP
  - Knowledge transfer is key – Code Bodies will be accountable for Qualification for non-LDSOs, and on enduring basis

# LDSO Qualification Testing Considerations

- Code Bodies and MHHSP been working on various aspects of Qualification. Agreed on following:

## TEST APPROACH

- Define test requirements, approach, scenarios and cases (from design)
- Code Bodies Qualification requirements/assessment criteria with test scenarios (created by MHHSP) to be review with LDSOs from December 23
- Cross check with SIT artefacts

## TESTING ALL LDSO SERVICES TOGETHER

- Reduces complexities, increase assurance that LDSO able to operate under MHHS arrangements
- Registration Services, UMSO and Network Ops/LDSO will be considered as a suite of roles
- LDSOs expected to stand up test instances of registration, UMSO and Network Ops/LDSO in an integrated test environment

## TEST ENVIRONMENT

- DIP and Helix UIT test environment with test harnesses for generating inbound flows and validation of outbound flows

## PLACING RELIANCE

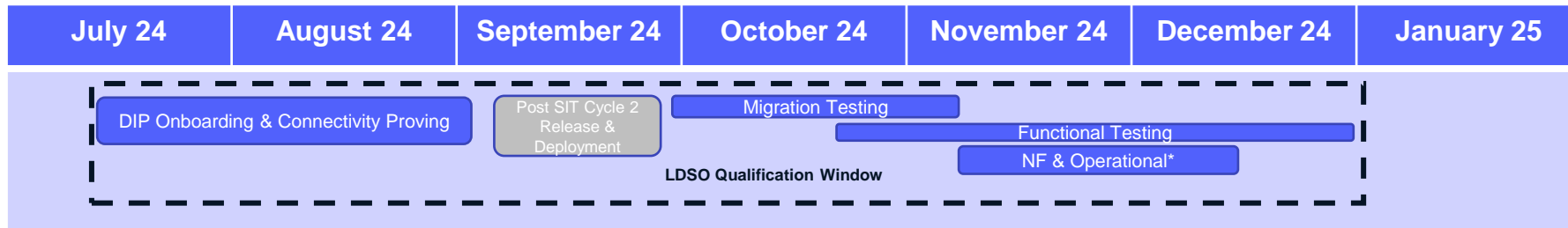
- Placing Reliance Policy would apply to LDSO testing
- Review of Placing Reliance proposals happens in same way to SIT - MHHSP then Code Bodies
- Full reliance cannot be placed where there are differences in hosting/infrastructure
- LDSO should submit placing reliance proposals using form previously shared by Code Bodies

## TEST DATA

- Derived from the data set from SIT rather than further industry data cut
- Augmented as needed, including change of MPID and first 2 digits of the MPAN
- Populated using migration processes, so operational processes are used (rather than back-end data population) - best chance of successful population

- Lower-level detail on the approach will be shared at November's QWG.

# Test Schedule for LDSO Qualification Testing



Opportunity to reduce some complexities of LDSO and SIT running in parallel, shifting LDSO Migration and Functional Testing to post the end of Cycle 2 of SIT – allows for:

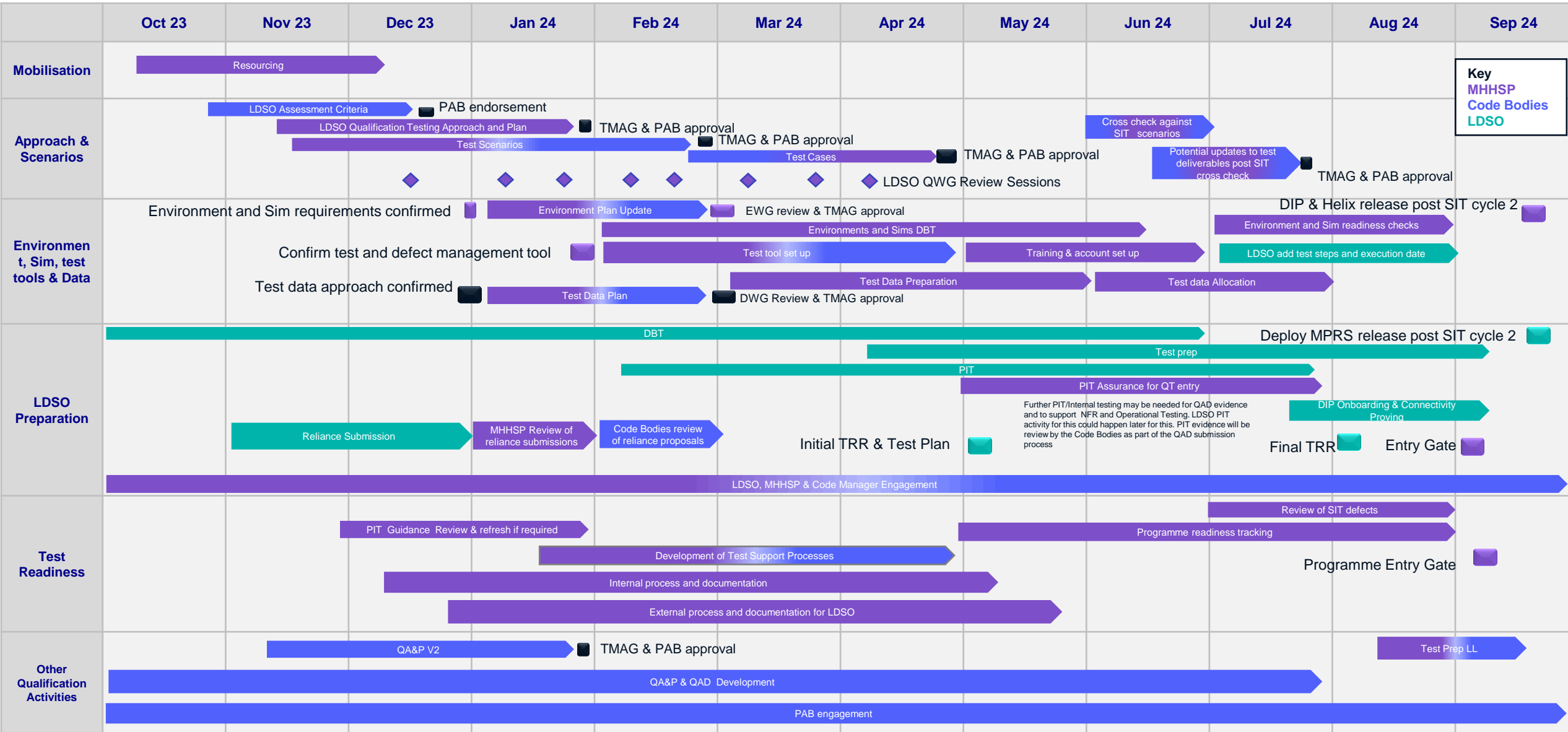
- A post Cycle 2 release of DIP & Helix, any LDSO service providers involved in SIT e.g. MPRS to be released and deployed
- IRX (go live baseline) completed
- Allows for SIT migration testing ~75% completed - opportunity for migration regimes to be used

Therefore, LDSO Qualification Testing against more stable central systems, go-live design baseline and operational processes - helps to meet Qualification objective of confirming that participants are ready to operate in the MHHS market. Protects electricity settlement and retail markets from participants not able to deliver required industry processes and standards.

## High Level Test Schedule:

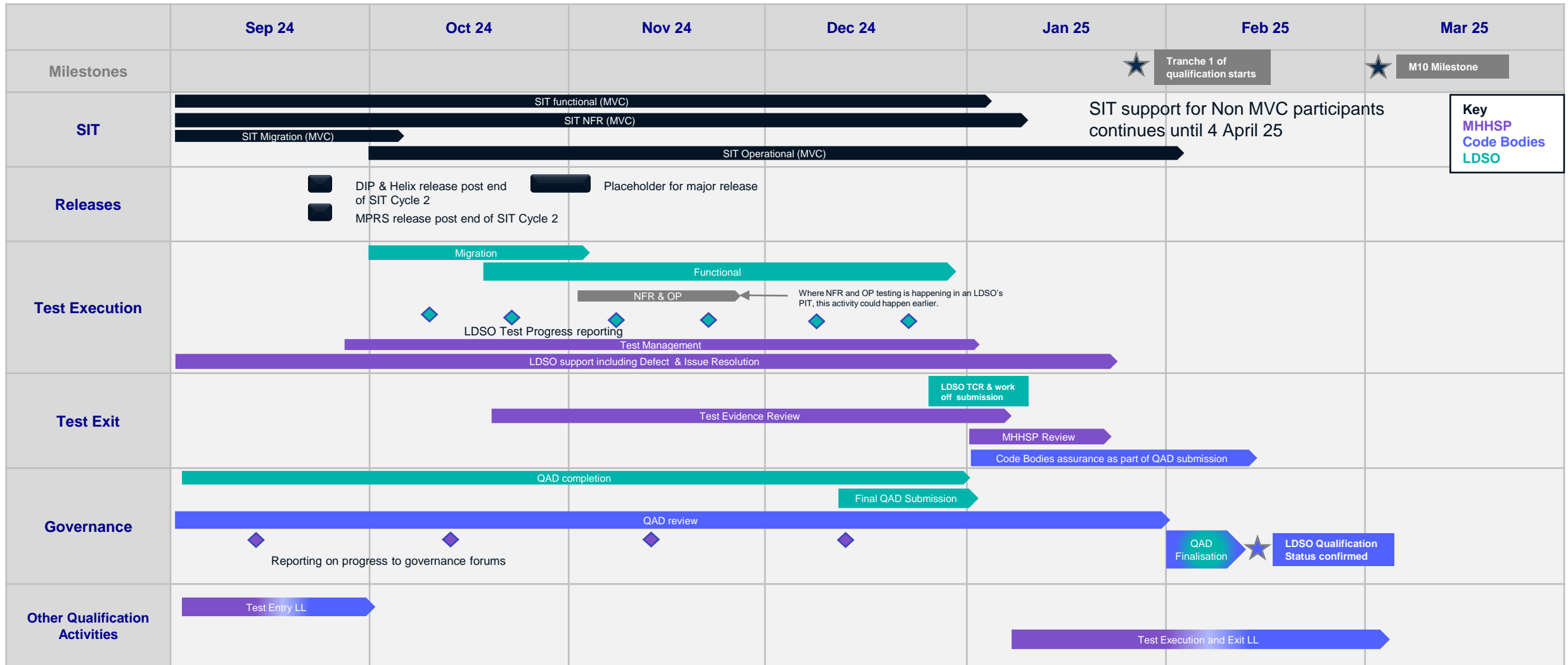
July	PIT for QT entry completed
Jul – early Sep	DIP Onboarding & Connectivity Proving: Internal connectivity proving of LDSO test environments & external connectivity to DIP.
Sep – Post SIT Cycle 2 uplift	LDSO uplift systems to post cycle 2 release (plus small PIT delta if needed) and UIT environment uplift.
End Sep – Nov	Migration Testing: Use migration processes to populate data for functional testing. Test of migration processes. Operational processes are used, rather than back-end data population – gives best chance of successful population.
Mid Oct – Dec	Functional Testing: Of UMSO, Network Ops and registration systems. Can begin as soon as sufficient test data has been migrated to support testing.
Nov – Dec	Non-Functional and Operational Testing (if using UIT environment): Testing being conducted outside UIT - can be scheduled when best suited for LDSO (as long as in time to support test exit/QAD submission).

# Non-SIT LDSO QT POAP – Test Preparation and Entry



**Key**  
 MHHSP  
 Code Bodies  
 LDSO

# Non-SIT LDSO QT POAP - Test Execution and Exit



**Key**  
 MHHSP  
 Code Bodies  
 LDSO



- **Code Bodies retains accountability for Qualification**
- **MHHSP** has responsibility for:
  - Delivering PIT assurance
  - Development of Non-SIT LDSO Test Scenarios and Test Cases
  - Management and execution of Non-SIT LDSO Qualification Testing
  - Assurance of the Test Completion Report
  - Review of Qualification materials to ensure alignment with SIT
- **Code Bodies** retain responsibility for:
  - Regulatory (inc. security and organisational controls) & administrative elements of LDSO Qualification
  - QAD development and sign off
- No change to previously communicated roles and responsibilities for Supplier & Agent qualification
- Where technical components straddle both LDSO and Supplier & Agent qualification:
  - MHHSP and Code Bodies work collaboratively - ensure alignment so common experience and expectations
- Qualification Workstream will continue to utilise existing MHHSP governance
- There is no change in BAU governance forum (PAB) roles and responsibilities
- MHHSP and Code Bodies are in the process of agreeing internal delivery governance

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## Next Steps

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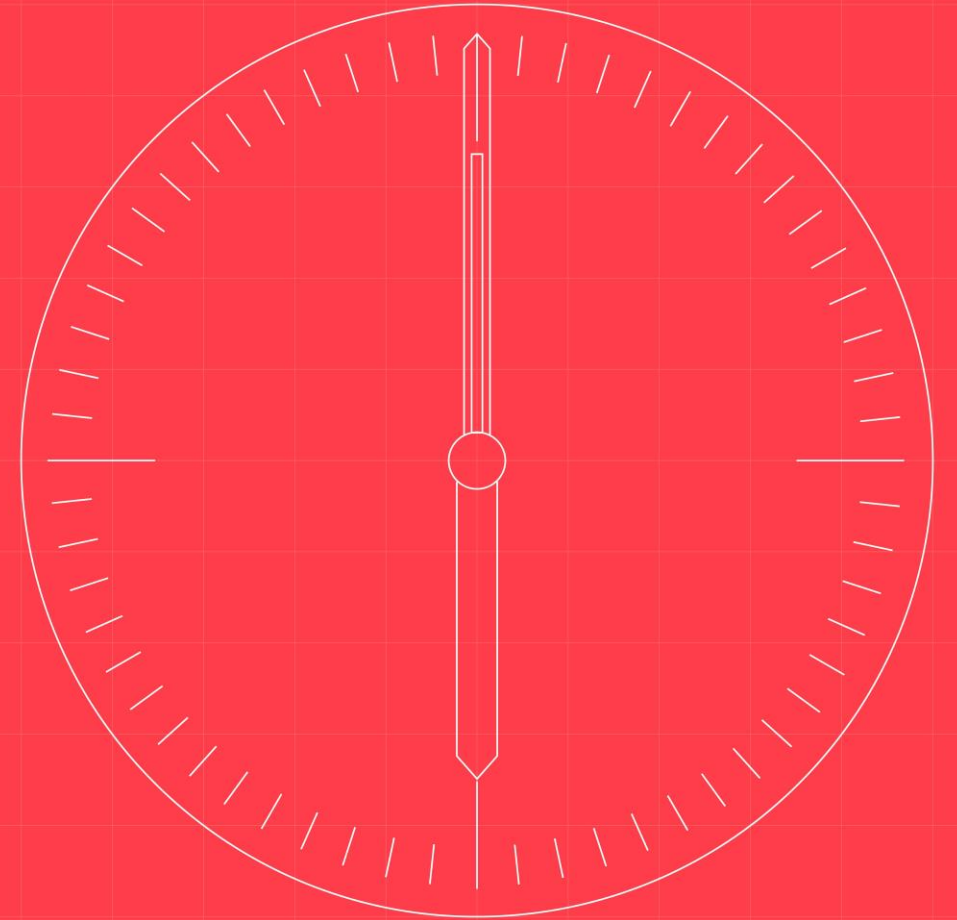
- Further lower-level detail on Testing Considerations shared at November's QWG
- Further information on Tranche 0 and Supplier & Agent qualification at December's PSG
- Qualification Approach & Plan to be updated
- QA&P to be reviewed by future QWG and approved by REC & BSC PABs

# MHHS Appeals Process

**INFORMATION:** Summary and recommendations from the appeals process review

*Programme (Fraser Mathieson & Helen Adey)*

*15 mins*



## Appeals Process Review (1 of 2)



### Context

#### **ACTION PSG23-03**

Review the existing appeals mechanisms as described in the existing Governance Framework and determine whether a defined appeals process needs to be documented elsewhere. Findings will be shared with PSG.

**AIM:** To ensure there is clarity on MHHS escalations and appeals mechanisms, and that there is an effective and efficient process for participants to escalate and appeal decisions taken via the MHHS governance framework

**OBJECTIVE:** Review the current appeals mechanisms and provide recommendations for improvement as required



### Review

#### **Existing escalation and appeals mechanisms:**

- Governance Framework v3.1 – Escalations vs Appeals
- MHHS Governance Query and Escalation Processes – Formal vs Informal escalations, points of contact, approach to concerns in the first instance
- Appeals to the IPA – Approach, assessment criteria, outcomes, reporting and remedies

#### **Principles of an effective appeals process**

#### **Comparison of existing mechanisms against principles**

#### **Previous appeals**



### Observations

- The SRO and PSG can receive escalations but not appeals (current mechanisms require attempts to resolve escalations within Programme governance in the first instance, appeals can be made to the IPA who will provide independent recommendations on any appeal)
- The IPA is the appropriate route for appeals to challenge a decision made under MHHS Programme governance
- In practice, there has only been one formal appeal to date and the vast majority of concerns over decisions are resolved via informal escalation and dialogue/support from the Programme
- There are no currently published criteria for how the SRO makes decisions or how formal escalations are treated. The IPA's appeals approach and assessment criteria are not currently published



### Recommendations

- Formalise and publish IPA Decision Appeals – Approach and Assessment Criteria
- Publish information/criteria on SRO treatment/assessment of formal escalations (including timelines for treatment, how evidence will be considered, and remedies)
- Publish high level guidelines on SRO decision making
- Update the MHHS Governance Framework to provide clarity on escalations vs appeals, finality of appeals, and where further information can be found
- Continue mindset of creating dialogue, offering support, and engaging sincerely on concerns over decisions to maintain low level of formal appeals and support the right outcomes
- Keep published documentation and mechanisms under review and seek continuous improvement to ensure they remain fit for purpose



### Next Steps

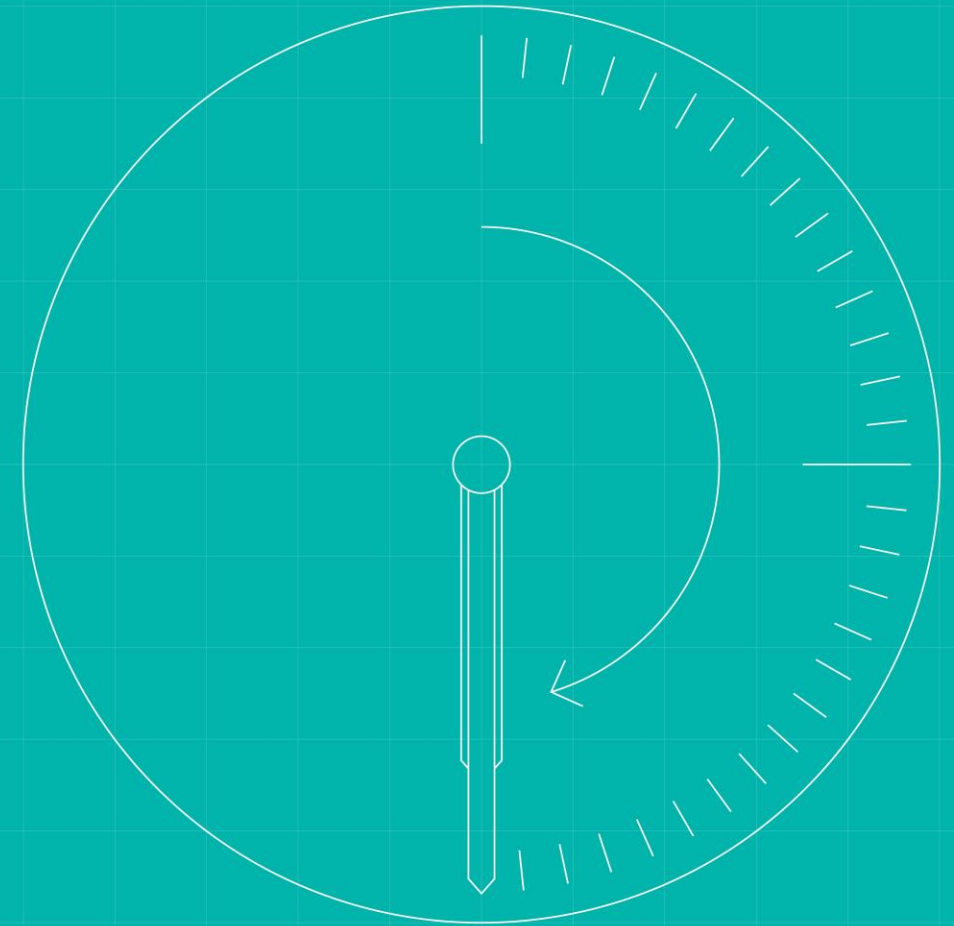
- PSG views and comments invited
- Commence implementation of recommendations
- Establish regular review frequency
- Communicate updates to participants following implementation of recommendations

# TMAG Restructure

**INFORMATION / DECISION:** Decision on proposed restructuring of the Testing and Migration Advisory Group (TMAG)

*Programme (Chris Welby)*

*15 mins*

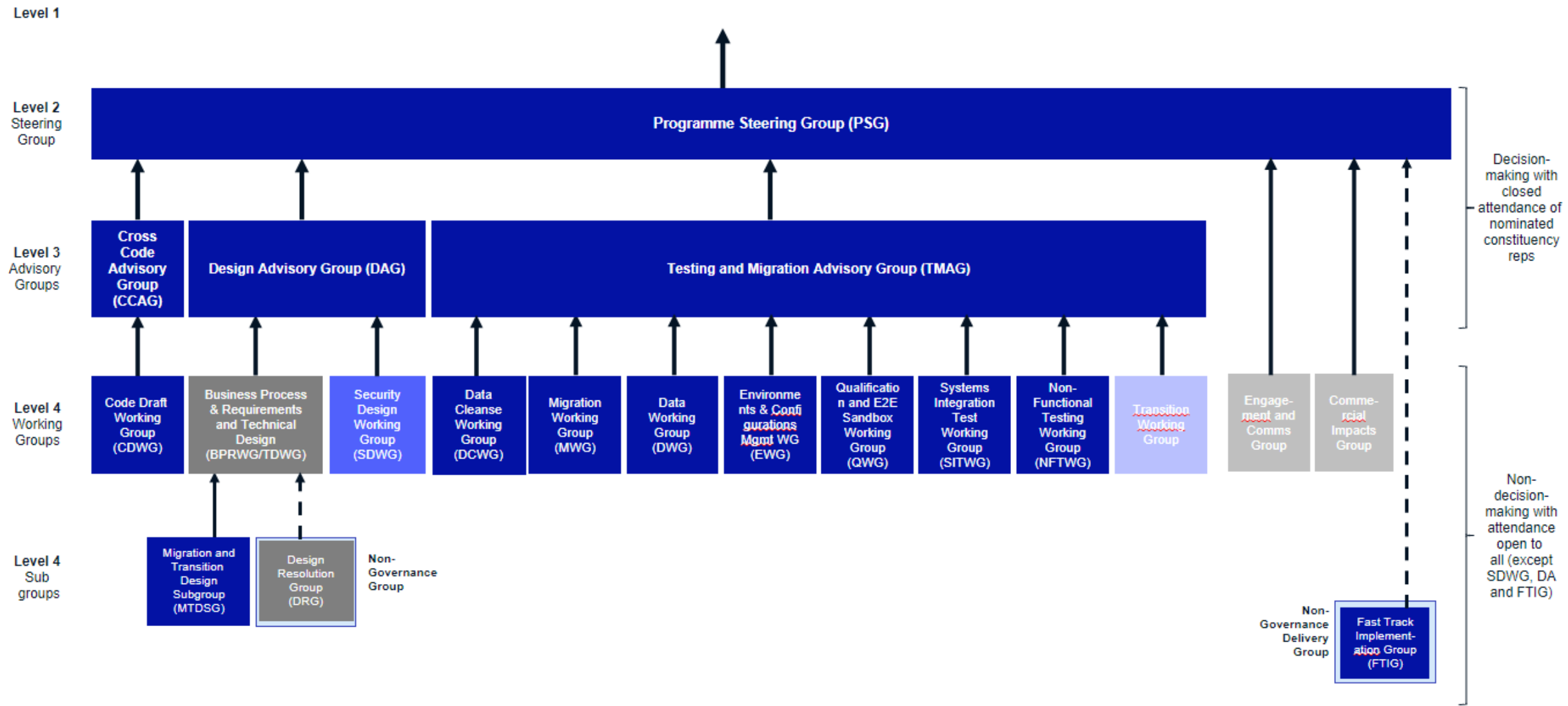


- Currently TMAG covers Testing, Migration, Qualification.
- TMAG currently has 8 Working groups to oversee (see next Slide)
- As SIT testing commences, then there will be a greater need to focus on this with quick turnaround needed on decisions
- Migration will also up pace as we get closer to M10 and is moving from Elexon to Programme
- Qualification will be running in parallel to testing and will need to move at pace for those parties facing qualification, particularly LDSOs.

It would now seem to be opportune moment to review TMAG and separate out into different Groups

# MHHS Governance and Decision-Making Structure

Ofgem as Sponsor



Key	Mobilised	Mobilisation in progress	To be mobilised in future	May be mobilised	Available for any ad hoc meetings
	Mobilised	Mobilisation in progress	To be mobilised in future	May be mobilised	Available for any ad hoc meetings



Split the TMAG into:

- **SIT Advisory Group**
  - Constituted as TMAG is now, but with testing representation only
  - Focused on SIT Testing with DWG, EWG, SITWG, NFTWG under it. It would also work closely or subsume FTIG.
  - Chaired by the Programme
- **Migration and Cutover Advisory Group**
  - Review of constituencies required
  - Focused on delivering Migration and cutover and review of Working Groups, would oversee DCWG & Transition WG.
  - Chaired by the Programme
- **Qualification Advisory Group**
  - Constituency of relevant code bodies and constituency reps from parties who need to qualify (supplier, agents, LDSOs).
  - Focused on delivery of Qualification with a LDSO WG, and First Qualification Tranche Working group
  - Chair to be agreed (Once the way forward has been agreed), will need to work with BSC & REC PABs.

### Questions for PSG:

1. Does PSG agree with the proposed change?
2. Should all three be level three advisory groups?
3. Does PSG have any views on constituency make-up of the groups?
4. Would parties be able to provide representation for each group?

### Next Steps:

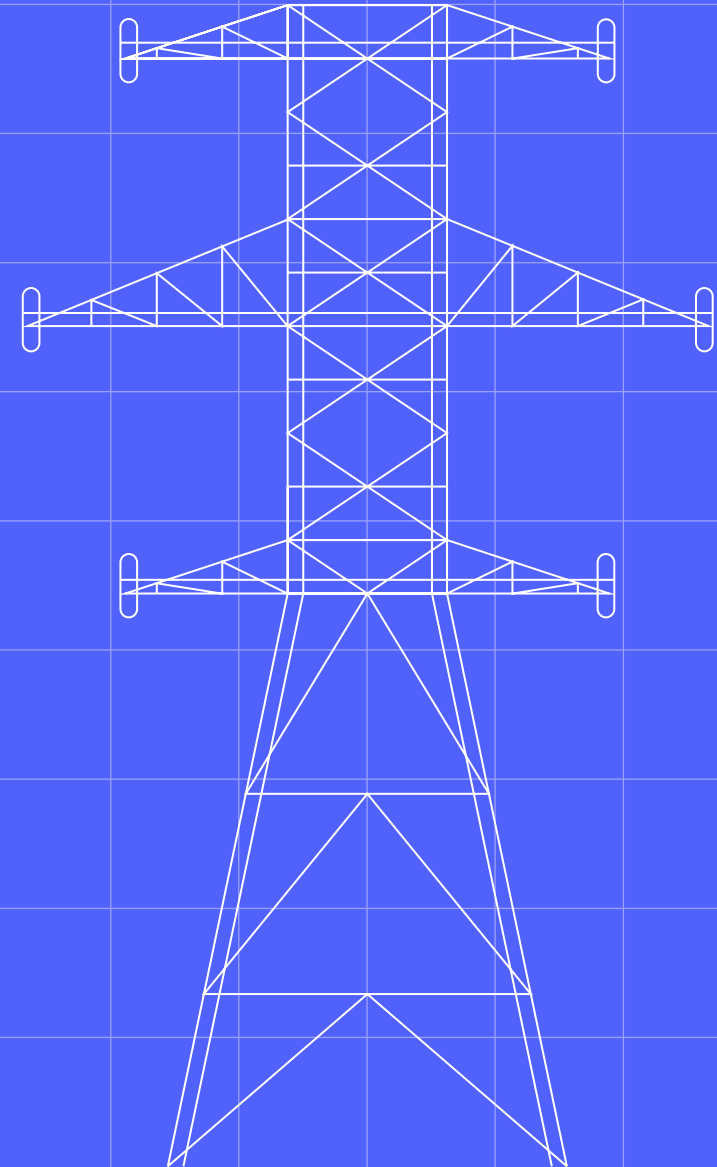
1. Agree ToR for each Group
2. Raise a Change Request as a change to the Governance Framework.
3. Implement and recruit Representatives.

# Delivery Dashboards

**INFORMATION:** Questions from PSG members on delivery dashboard content

*Chair*

*15 mins*



## Delivery Dashboards Overview

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

# Risk theme 1: Commencing and completing SIT as planned

**RAID (1 of 3)**  
Updated to 31/10/2023

Theme	Summary	Mitigation Approach Overview	RAG Status	
<b>Commencing and completing SIT as planned</b>	SIT success is reliant on (1) Core Capability Providers being ready, (2) sufficient volunteers being available to form and sustain a minimum viable cohort (MVC) through SIT, and (3) sufficient volunteers progressing through SIT to enable earliest migration	<ul style="list-style-type: none"> <li>Design fast-track governance process implemented and SIT CIT test plan documents approved. Follow-up Design Assurance and Delivery Assurance meetings are being conducted for participants in SIT, prioritised based on apparent risk</li> <li>Ongoing liaison with Code Bodies on Qualification requirements that might drive SIT requirements (e.g. assurance activities that might be required to mitigate any risks from differences between SIT and production environments). The Programme is maintaining the assumption that no additional Qualification Testing execution will be required for SIT participants.</li> </ul>	<b>Previous RAG</b>	<b>Amber (28 Risks)</b>
			<b>Current RAG</b>	<b>Amber (39 Risks)</b>

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
R331	There is risk that analogous estimating has been used to assess the likely duration of SIT testing using FSP as a benchmark, as well as the test cases/scenarios not being tied down.  There is a high degree of uncertainty over the accurate estimating of SIT duration which may be longer or shorter																														New item	<ol style="list-style-type: none"> <li>The current duration has been sense-checked comparable with an implementation of this scale and complexity</li> <li>Detailed bottom-up estimate complete, based on coverage and scenarios</li> <li>Estimates validated in parallel with Round 3</li> <li>As SIT scope and scenario coverage developed and approved by TMAG, estimates refined and validated</li> <li>To be assessed post test case creation (CIT and Sit Functional test cases authored and approved)</li> <li>Work with Design team on logical sequence of Test execution</li> </ol>
R619	There is a risk that Helix may not be able to support MHHSP expectations for testing based on current resourcing assumptions																														New item	<ol style="list-style-type: none"> <li>Helix need to refine volumetric assumptions (of defects) and review test resource assumptions</li> <li>MHHSp monitoring through bilaterals and providing support where possible</li> </ol>
R432	There is a risk that new Change Requests have a material impact on the baseline design																														No change	<ol style="list-style-type: none"> <li>Manage Change Requests and understanding their impact on Design</li> </ol>
R522	There is a risk that SIT volunteers may be late arriving into their CIT Interval																														New item	<ol style="list-style-type: none"> <li>Design, Test and Delivery assurance</li> <li>FTIG (and PSG) monitoring of participants' delivery progress and managing of obstacles to readiness (inc. deep dives for those who are higher risk)</li> <li>Staggered PIT approach</li> <li>Regular PPC bilaterals with SIT volunteers</li> <li>CIT readiness criteria spreadsheet signed off by TMAG and will be monitored weekly by Test team</li> </ol>
R567	There is a risk that a number of Supplier SIT Participants may withdraw from SIT if the scope of Qualification (and therefore SIT) continues to mandate the testing of all customer segments and metering variations. Qualification scope aligns to the roles in the MHHS Design																														New item	<ol style="list-style-type: none"> <li>The scope of SIT is being driven by the scope of Qualification, which is the responsibility of Code Bodies, to ensure that there are no additional tests required between SIT &amp; Qualification.</li> <li>Programme discussing issue with BSCCo, who have responsibility for setting the scope of Qualification</li> <li>BSCCo to discuss the scope of Qualification with BSC PAB</li> <li>Programme to monitor progress of scoping discussion</li> <li>Assumption A0207 raised to set scope of SIT to allow Suppliers not to execute UMS SIT test cases if they do not intend to serve UMS</li> </ol>



Document Classification: Public

Items can be raised to the Programme RAID log using the [RAID input form](#). Please refer to the Programme [Digital PMO \(DPMO\)](#) to see Programme risks in more detail

Key	
I	Initial Score
C	Current Score
T	Target Score

# Risk theme 2: Commencing and completing Migration successfully

**RAID (2 of 3)**  
Updated to 31/10/2023

Theme	Summary	Mitigation Approach Overview	RAG Status	
Commencing and completing Migration successfully	The theme explores the factors which may affect the Programme meeting M10 / M11 and completing Migration and how the Programme is planning to mitigate these to stop these risks from converting into issues	<ul style="list-style-type: none"> <li>Some of the existing risk factors around M10 / M11 will be mitigated by the findings throughout SIT Testing, which will evaluate assumptions, demonstrate to the Programme the areas which require attention and allow the Programme enough time to make the changes necessary for M10 / M11 success</li> <li>The Migration Design, the Migration Cutover &amp; Data Strategy, the Data Cleanse Plan and ongoing Code Drafting will also give Participants necessary materials to prepare for M10 / M11</li> </ul>	Previous RAG	Amber (21 items)
			Current RAG	Amber (32 items)

			Key Risks																	Current score movement since last PSG	Mitigation Plan										
Risk ID	Risk Description	Risk Score Assessment																													
		Critical			High				Medium				Low																		
		30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
R525	There is a risk that Suppliers with large portfolios of MPANs could be allocated to later qualification tranches as a result of the 'first come first served' approach or drop out of SIT into later Qualification tranches, which would not leave enough time to migrate a large portfolio before the M15 deadline																		No change	1. Code Bodies will set out the timing for tranche notification in QWG. Suppliers to comply. 2. Legal advice from Elexon has been clear that the allocation of Programme Participants to tranches cannot be influenced by portfolio size 3. Any incentive regime for Migration will be a matter for Ofgem not the Programme 4. Capacity within Migration plan is set to enable large suppliers in Tranche 7 to migrate in time, as discussed at TMAG 20/9 resulting in reduction of probability											
R415	There is risk that qualified Suppliers will not be able to start migrating MPANs at M11 (and beyond) if they do not have Service Providers contracted that have qualified for particular customer segments																		No change	1. MHHSP is looking to support suppliers' and service providers' testing together through SIT where we can, and this will be a focus through SIT to gain assurance that M11 will start as soon as is practical 2. MHHSP is seeking to understand the risks by identifying supplier ecosystems 3. Delivery Assurance and RA3 is providing confidence in SIT participant readiness											
R332	There is a risk that Suppliers may require a maximum amount of time to complete their DBT and subsequently qualify, resulting in backlog in the final tranche(s) of Qualification																		No change	1. Code Bodies to define allocation for Supplier and Agent 2. RA3 Stats showing most PPs not declaring a date for later tranches 3. Monitor intent to qualify 4. Ongoing tracking of suppliers' delivery plans and progress through bilateral meetings and account management											
R353	There is a risk that the actual volume / rate of MPANs which can be migrated does not align with the current modelling and assumptions being made by the Programme																		New item	1. Future: E2E non-functional SIT testing to validate proposed volumes are feasible 2. Agreeing volumes with suppliers - detailed planning with each individual organisation (migration workstream tbc) 3. Monitoring early phases of migration - as volumes are ramped up, any deviance from assumptions to be flagged											
R659	There is a risk that PPs can't migrate MPANs due to a technical/process issue																		No change	1. Mitigated by Migration Test phase of DBT 2. Monitoring of issues during Migration											
R677	There is a risk that testing of the migration functionality within MPRS will not take place until late 2024 as St Clements will not be commencing development of migration code until early Q1 2024																		New item	1. Early performance testing of the Change of Service Process in 2023 which has some shared functionality with Migration. 2. Proposed relaxation of the 60-minute SLA for LDSOs to process all migration the migration period											

Key	
I	Initial Score
C	Current Score
T	Target Score



Document Classification: Public

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### Risk theme 3: Risks to Qualification success

**RAID (3 of 3)**  
Updated to 31/10/2023

Theme	Summary	Mitigation Approach Overview	RAG Status	
<b>Risks to Qualification Success</b>	Code Bodies are accountable for Qualification for all relevant PPs. Industry participants have raised a risk that there has been a lack of clarity on the approach and plan to deliver Qualification for non-SIT LDSOs, Suppliers and Agents.	<ul style="list-style-type: none"> <li>PSG presentation on high level Qualification roles and responsibilities from BSCCo with supporting plan for non-SIT LDSO Qualification Testing from MHHSP</li> <li>Ongoing collaboration between MHHSP and Code Bodies to:                             <ul style="list-style-type: none"> <li>Ensure detailed roles and responsibilities are clear, as well as any dependencies</li> <li>Define clear plans for Qualification activities, including the definition and submission of the Qualification Assessment Document (QAD) and the preparation and execution of Qualification Testing</li> <li>Ensure Qualification requirements are built into SIT</li> </ul> </li> </ul>	<b>Previous RAG</b>	N/A
			<b>Current RAG</b>	<b>Amber (14 risks)</b>

		Key Risks																	Current score movement since last PSG	Mitigation Plan													
Risk/Issue ID	Risk Description	Risk Score Assessment																															
		Critical			High					Medium					Low																		
		30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		
I124	There is not yet a consistent understanding between MHHSP, Elexon and RECCo on the roles and responsibilities for UIT and Qualification.					I									C																	New item	<ol style="list-style-type: none"> <li>MHHSP, Elexon and RECCo agreed R&amp;R at a high level in PSG presentation</li> <li>To work through revised R&amp;R at a more detailed level</li> </ol>
R603	There is a risk that Code Bodies will not be ready in time to complete LDSO Qualification in time for M10																															Updated description	<ol style="list-style-type: none"> <li>PSG presentation with revised approach and plan for non-SIT LDSO Qualification Testing proposed to de-risk M10</li> </ol>
R525	There is a risk that Suppliers with large portfolios of MPANs could be allocated to later qualification tranches as a result of the 'first come first served' approach or drop out of SIT into later Qualification tranches, which would not leave enough time to migrate a large portfolio before the M15 deadline																															No change	<ol style="list-style-type: none"> <li>Code Bodies will set out the timing for tranche notification in QWG. Suppliers to comply.</li> <li>Legal advice from Elexon has been clear that the allocation of Programme Participants to tranches cannot be influenced by portfolio size</li> <li>Any incentive regime for Migration will be a matter for Ofgem not the Programme</li> <li>Capacity within Migration plan is set to enable large suppliers in Tranche 7 to migrate in time, as discussed at TMAG 20/9 resulting in reduction of probability</li> </ol>
R653	There is a risk that the Programme cannot mobilise test environments and test harnesses in time to support non-SIT LDSO Qualification Testing.																															Updated description	<ol style="list-style-type: none"> <li>MHHSP is discussing the requirements for test environments and test harnesses to support Qualification Testing with Code Bodies – these need to be clearly defined</li> <li>MHHSP is considering the potential to re-use the CIT test harness and develop it to meet requirements for Qualification testing</li> </ol>
R532	There is a risk that SIT participants will need to execute additional Qualification Testing in order to qualify																															No change	<ol style="list-style-type: none"> <li>MHHSP in discussion with Code Bodies to confirm their requirements in order to build these into SIT so that any testing is done in SIT and no testing is outstanding, as per Assumption A165</li> </ol>
R695	There is a risk that Code Bodies will not be ready in time to complete Supplier and Agent Qualification in time for tranches																															New Item	<ol style="list-style-type: none"> <li>MHHSP, Elexon and RECCo agreed R&amp;R at a high level in PSG presentation</li> <li>Code Bodies to progress preparation through QWG</li> </ol>



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Key	
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C	Current Score
T	Target Score

## Change Request Status

**Change Control**  
Updated to 26/10/2023

Ref.	Key Detail	Change Raiser(s)	Change Type	Latest Action	Approval Status	Current Stage in Change Control	Action <i>If approved</i>	Implementation date/milestone	Change Owner(s) <i>If approved</i>
CR023	Standardisation of Interfaces within the Smart and Advanced Data Services Roles	Haz Elmamoun, Engage Consulting	Full Impact Assessment	Approved by DAG (13/09/23)	Approved	Implementation		IR9 (Apr-24)	Paul Pettiitt, MHHS Programme
CR024	Data Item Names and Descriptions	Sarah Jones, RECCo	Full Impact Assessment	Approved by DAG (09/08/23)	Approved	Implementation	To be implemented in Design Release 11	IR11 (Apr-24)	Paul Pettiitt, MHHS Programme
CR025	DIP Interface Name Changes	Sarah Jones, RECCo	Full Impact Assessment	Approved by DAG (12/07/23)	Approved	Implementation	To be implemented in Design Release 11	IR11 (Apr-24)	Paul Pettiitt, MHHS Programme
CR026	Enhancements to the Change Control Approach	Alex Whiteman, MHHS Programme	Housekeeping	Approved by Change Board (04/07/23)	Approved	Completed		-	Lewis Hall, MHHS Programme
CR027	DUoS E-Billing DIP Message for MHHS	Peter Waymont, UKPN	Full Impact Assessment	Approved by DAG (13/09/23)	Approved	Completed		IR5 (Oct-23)	Paul Pettiitt, MHHS Programme
CR028	EES and SDEP Requirements	Jonny Moore, RECCo	Full Impact Assessment	Approved by DAG (13/09/23)	Approved	Completed		IR5 (Oct-23)	Paul Pettiitt, MHHS Programme
CR029	DIP LDSO Interface Processing	Rachael Prosser, NGED	Full Impact Assessment	Approved by DAG (13/09/23)	Approved	Completed		IR5 (Oct-23)	Sean Cooper & Richard Gwatkin, MHHS Programme
CR030	Introduction of Compressed Payloads into DIP Messages	Rob Golding, MHHS Programme	Full Impact Assessment	Approved by DAG (13/09/23)	Approved	Completed		IR5 (Oct-23)	Paul Pettiitt, MHHS Programme
CR031	Amending Transition Design Milestone Description and Delivery Date	Andrew Margan, MHHS Programme	Housekeeping	Approved by DAG (13/09/23)	Approved	Completed		-	Andrew Margan, MHHS Programme
CR032	Change to Interface MHHS-IF-165 P0210 TUoS Reporting	Andrew Dudkowsky, National Grid ESO	Full Impact Assessment	Approved for Impact Assessment by DAG (11/10/23)	Open	Impact Assessment (response deadline 30-Oct-23)		TBC	Paul Pettiitt and Lee Cox, MHHS Programme
CR033	Remove ELEX REP-005 and include LLF details as part of ISD catalogues	Rashmi Radhakrishnan, HELIX WP3	DIN	Issued to DIN Log by Change Board (24/10/23)	Issued to DIN Log	Issued to DIN Log	Implement change via DIN Log	TBC	Paul Pettiitt, MHHS Programme
CR034	Delay to Elexon Level 3 validation response – NFR (1009)	Nigel Rees, Elexon	Full Impact Assessment	Validated by Change Board (24/10/23)	Open	Awaiting DAG approval for Impact Assessment			Paul Pettiitt, MHHS Programme



# SIT – MVC Status (as of 01-Nov-23)

## CCP Readiness Key

Ready

Expected to be ready

Expected to be ready if risk mitigation is successful

Unlikely to be ready

Core Capability Providers (CCPs)	CIT Status	Comment	SIT (F) Status	Comment
<b>Elexon (Helix)</b>	<b>Int 1</b>	IR2.1 PIT Complete. Helix Work Off Plan ahead of CIT completed CIT commenced 01-Nov		Helix are flagging risk around the scale of develop of development needed for IR5, particularly DAH and ability to complete development by SIT functional start. On-going dialogue with Helix to review options to meet SIT F timescales.
<b>DIP</b>	<b>Int 1</b>	IR2.1 PIT – completed with excellent stats. Final review of Test Completion and Work-Off Plan in progress <b><u>T2-TE-0250 work-off plan – completed with Expleo and Helix</u></b>		Readiness for SIT Functional on track
<b>St Clements</b>	<b>Int 2</b>	Sprint 2 on track for CIT Interval 2 (IR2). No technical blockers for CIT. Hence Green RAG. Sprints 3-5 on track for CIT Interval 6 (IR2) albeit with little contingency.		Readiness for SIT Functional (IR5) also on track at this point but continued little contingency – hence RAG continues as Amber
<b>RECCo</b>	<b>Int 6</b>	DBT plans for EES are on track to be ready for CIT Interval 6 as planned		On track
<b>DCC</b>	<b>N/A</b>	No DCC participation in CIT.		MDR, CSS changes and capacity upgrades on track. SI discussions progressing well on DCC assumptions with key item on defect management remaining before turning status to green
<b>ElectraLink</b>	<b>N/A</b>	No ElectraLink participation in CIT.		Dialogue in progress re changes required to DTN Flows for SIT F
<b>LDP (SI)</b>	<b>All Ints</b>	<b><u>T2-TE-0250 work-off plan – completed</u></b> CIT Test execution commenced <b><u>Other activities are progressing:</u></b> CIT Test cases - 1st batch (intervals 1 & 2) approved; 2nd batch (intervals 3 & 4) e-TMAG 06-Nov and 3rd batch (intervals 5 & 6) on track Data – on track regarding augmentation.		Approach and plan approved. Test scenarios and phased test cases approach & new timeline agreed at TMAG 23-Oct DIP simulators being uplifted for IR3-5 DINs, target 3 Nov 23

SIT Participants Constituency	Number of PPs confirmed for SIT (FTIG attendees)	Market Roles	Number of Market Roles required for SIT MVC	Number of Market Roles confirmed for SIT	Names of Participants (RAG – Green = confirmed, Black = TBC)
<b>Supplier / Independent Agent</b>	17	Advanced Data Services	2	10	Callisto, Energy Assets ,IMServ, Itron, Kraken Data Services, npower Business Solutions, Procode, SMS, Stark, TMA
		Smart Data Services	2	8	Callisto, Energy Assets, IMServ, Kraken Data Services, Procode, SMS, Stark, TMA
		Metering Services Advanced	2	11	British Gas, Callisto, EDF, Energy Assets, E.ON UK Energy Solutions, IMServ, npower Business Solutions, Octopus Energy Services, SMS, Stark, Utilita
		Metering Services Smart	2	11	British Gas, Callisto, EDF, Energy Assets, E.ON UK Energy Solutions, IMServ, Octopus Energy Services, OVO, SMS, Stark, Utilita
		UMSDS	2	2	Power Data Associates, Tym Huckin Ltd
		HHDC	1	1	Callisto
		HHMOp	1	2	Callisto, npower Business Solutions
		NHHDC	1	1	Callisto
		NHHMOp	1	2	Callisto, E.ON UK Energy Solutions
		<b>Large, Medium, Small, I&amp;C Supplier</b>	8	Suppliers	2
<b>DNO, iDNO, LDSO</b>	2	Network Operations	1	2	BUUK, SSEN
		UMSO	1	2	BUUK, SSEN
<b>Managed Service Providers</b>	8		n/a	n/a	C&C, ENSEK, ESG, Kraken, SeaGlass, Utiliteam, Procode, Wheatley
<b>National Grid (ESO)</b>	1		1	1	National Grid (ESO) 33

## SIT Stage Statuses (as of 01-Nov-23)

On track per programme plan

Expected to meet programme plan if risk mitigation is successful

Unlikely to comply with programme plan

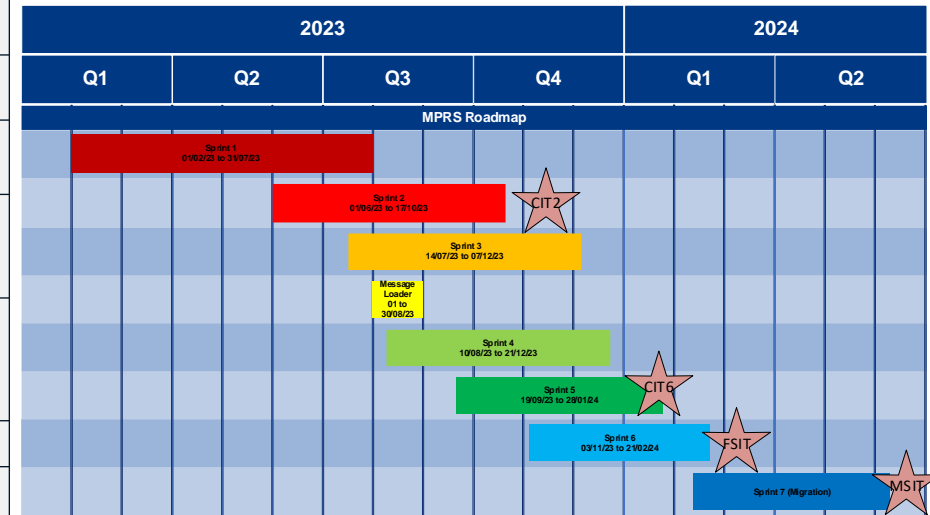
Test Stage	RAG	Comment
CIT		<p><u>Overall</u></p> <p>Test execution commenced: 31-Oct</p> <p>Helix entered CIT 01-Nov</p> <ul style="list-style-type: none"> <li>Initial testing overcoming expected Integration errors</li> </ul> <p>Test Approach (plus associated Test Data) Approach and Plans: Approved @TMAG 19-Jul</p> <p>Test Scenarios: Approved @ at eTMAG 30-Aug</p> <p>Test cases: Plan to deliver in 3 Batches agreed through Governance:</p> <ul style="list-style-type: none"> <li>Batch 1 (CIT Interval 1&amp;2): TMAG Approved 29-Sep – Approved</li> <li>Batch 2 (CIT Interval 3&amp;4): TMAG Approved 06-Nov – On Track</li> <li>Batch 3 (CIT Interval 5&amp;6): TMAG Approved 08-Dec – On Track</li> </ul>
		<p><u>Interval 1 – DIP</u></p> <p>PIT Execution – CIT Commenced 31-Oct</p> <p>DIP Onboarding:</p> <ul style="list-style-type: none"> <li>Interval 1 – Complete</li> <li>Interval 2 – Complete</li> <li>Interval 3 – Commenced 01-Nov</li> </ul>
		<p><u>Interval 1 – Helix</u></p> <p>CIT Commenced 01-Nov</p>
		<p><u>Interval 2-6</u></p> <p>Interval 2 – St Clements, PIT Execution Complete within defined Exit Criteria. On Track for Entry in CIT Interval 2</p> <p>Interval 3 – All PIT Documentation received. Test Approach &amp; Plans Reviews complete.</p> <p>Interval 4 – All PIT Documentation Received and under review</p> <p>Interval 5 – All PIT Documentation Received and under review</p> <p>Interval 6 – 75% of Test Approach and Plans received. Remaining expected within few working days</p>
Functional		<p>Test execution commences: 11-Mar-24</p> <p>Test Approach (plus associated Test Data) Approach and Plans: Approved @TMAG 16-Aug</p> <p>Test Scenarios and Test Cases, revised delivery approach SITWG agreed, also approved at TMAG on 23-Oct-23</p> <p>Test Scenarios and Test Cases – revised delivery approach commenced with 3 out of 5 Themed review workshops successfully completed</p>
Migration		<p>Test execution commences: 10-Jun-24</p> <p>Test Approach (plus associated Test Data) Approach and Plans: Documents authored, under SRO Review. Industry Consultation moved from 26-Oct to 02-Nov, forecast TMAG Approval remains 20-Dec</p> <p>Test Scenarios &amp; Test Cases: Delivery plans to be shared and agreed, forecast approval March 24</p> <p>Note – Migration Design complete and follows existing Business Processes with relevant deviations to enact migration. Migration Testing will therefore follow SIT Functional Testing with relevant deviations</p>
Non-Functional		<p>Test execution commences: 02-Sep-24</p> <p>Test Approach (plus associated Test Data) Approach and Plans: Planned – Industry Consultation 25-Jan, TMAG Approval 20-Mar</p> <p>Test Scenarios &amp; Test Cases: Delivery plans to be shared and agreed, forecast approval May 24</p> <p>Note – Non-Functional Requirements allocation across PIT and SIT to be socialized in September NFTWG.</p>
Operational		<p>Test execution commences: 07-Oct-24</p> <p>Test Approach (plus associated Test Data) Approach and Plans: Planned – Industry Consultation 21-Mar, TMAG Approval 15-May</p> <p>Test Scenarios &amp; Test Cases: Delivery plans to be shared and agreed, forecast approval July 24</p>

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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<b>Status &amp; Outlook</b>	<b>Progress this Month:</b> <ul style="list-style-type: none"> <li>Sprint 2 testing progressing</li> <li>Sprint 3 testing started</li> <li>PIT testing for Interval 2 – completed</li> <li>Configuration of DNO/iDNO MPRS environments for SIT - Completed</li> <li>Data Augmentation load into BUUK &amp; SSEN – Initial load raised issues with validity of data, meeting scheduled with data team to resolve</li> <li>Test connectivity to C&amp;C &amp; EL adaptors – Completed</li> </ul>	<b>Progress expected in the coming month:</b> <ul style="list-style-type: none"> <li>Complete testing Sprint 2</li> <li>Complete testing Sprint 3</li> <li>Commence testing of Sprint 4</li> <li>Complete Initial PIT Cycle 2 Testing</li> <li>Continue working DIs into MPRS design</li> <li>Complete Data Augmentation load into BUUK</li> <li>Complete Data Augmentation load into SSEN</li> </ul>
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Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
MPRS ready for start of CIT interval 2	06-11-23	06-11-23
MPRS ready for start of CIT interval 6	22-01-24	22-01-24
MPRS ready for start of functional SIT	14-02-24	14-02-24

Risk or Issue & RAG	Mitigating or resolving action required	Date to be resolved	Action owner
STCR18 - The programme plan is challenging and SCS has been consistent in its feedback to the programme. There is insufficient time to complete the testing of all functionality to the normal SCS quality standards to meet the entry points for CIT and functional SIT	St Clements is focused on delivering the functionality that is required, for when it is required by concentrating on the testing required to meet the programme timelines. 'Full' testing will be completed later in the programme.	Q1 2024	St Clements
STCR14 - There is a risk that BAU divert resource from MHHS programme (such as FS changes)	Ongoing Faster Switching issues diverting resource from MHHS activities to resolving BAU issues. Forced to tolerate and manage The Programme to recognise that BAU may be higher priority than MHHS	Ongoing	St Clements
STCR15 - There is a risk that programme governance / engagement diverts resource from delivery activities	Restricting SCS participation in programme meetings will help to mitigate. We will look to meet programme assurance/documentation requirements but programme to consider minimum required. Focus is on MPRS functional delivery.	01 October 2024	St Clements
STCR50 - Insufficient time to load augmented data within SCS SIT environments for start of CIT interval 2	SCS has provided advice to the programme for the programme to provide accurate data for the data augmentation activity. This activity was unplanned and has required a significant investment in time, impacting delivery activities. If the data provided is not valid, more time will be required to investigate, detracting the MPRS specialists from delivery activities. This data has not been provided to SCS	30/10/2023	Programme
STCR23 - There is a risk that Programme artefacts are delivered late leaving little time to review/develop	The Programme have changed the approach for the SIT test case and scenario delivery, these will now be delivered together in 9 separate Themes. The initial plan was to deliver all by late August when St Clements resource was available for review. St Clements does not have the capacity to attend meetings to discuss but will review outputs. Programme to consider staggering delivery of Programme artefacts requiring review. Artefacts need to delivered on time with sufficient time allowed to review	Q4 2023	Programme
STCR35 - There is a risk that there are no registration service reports defined within the MHHS design.	Information on the existing mandatory reports forwarded to Elexon and Ofgem	30 October 2023	Programme
STCR44 - There is a risk that PUB-040 (Annual Consumption) in MPRS will not be addressed quickly enough by the design team. If it is not required in MPRS there will be significant benefits for the MPRS development and DNOs operationally	St Clements to raise a CR to remove this functionality	15 October 2023	Programme
STCR45 - There is a risk that the SIT testing requirements from the programme on St Clements are greater than anticipated leading to additional resource requirements	The programme has not provided any guidance as to the experience to be expected for executing functional SIT. Suitable levels of resource may not be available to support SIT Functional.	15 October 2023	Programme
Assumption & RAG	Action required to remove assumption	Date to be resolved	Action Owner
MPRS high level plan broadly remains the same following detailed IA	Detailed IAs for later sprints to be completed	Through to last sprint	SCS
Scope of MPRS development does not extend	Scope change (eg data cut/data cleanse/CRs) to impact milestones. Prevent scope change and consider delaying when functionality is required for testing	28 February 2024	Programme
Programme governance/assurance does not impact MPRS delivery activities	Light touch and targeted approach	1 October 2023	Programme
Dependency & RAG	Managing action required	Date to be resolved	Action Owner
Dependency on Programme to confirm decisions on above	Prompt responses and decisions required		



RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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Status & Outlook	Progress last month:
	REC
	•R0044 Systems Integrated testing in progress
	•R0097 has been approved & will be implemented by ERDA
	•R0093 – RECCo spoken to RTS re: content of R0093. DCC to liaise directly with RECCo on Capacity funding approach.
	SEC
•MP162 (MDR Role) Systems Integrated testing is due to complete end of October, UIT Prep is in flight, on track for Dec start	
Capacity	
•MHHS Capacity is tracking to plan	
New Requirements	
•Completed new requirements workshops and baselined the assumptions on 16 Oct23	
•This was a significant effort on behalf of all concerned – 32 Assumptions agreed with the exception of Defect Management, where we are aligned on approach & have targeted resolution by 3rd Nov.	
•Any material changes to these assumptions may have time & cost implications (up to 8 week lead time for supplier assessment)	

Progress expected in the coming month:
• REC - Complete R0044 SIT testing, R0097, R0093 to progressed
• SEC - Complete MP162 SIT testing
• Capacity – DCC working on implementing change required to ensure sufficient capacity for MHHS Migration
• Commercialisation of the baselined requirements with our suppliers, which has a 6-8 week lead time, following which Statements of Work will be converted into a baseline plan (by 15/12)
• R0093 re-planning

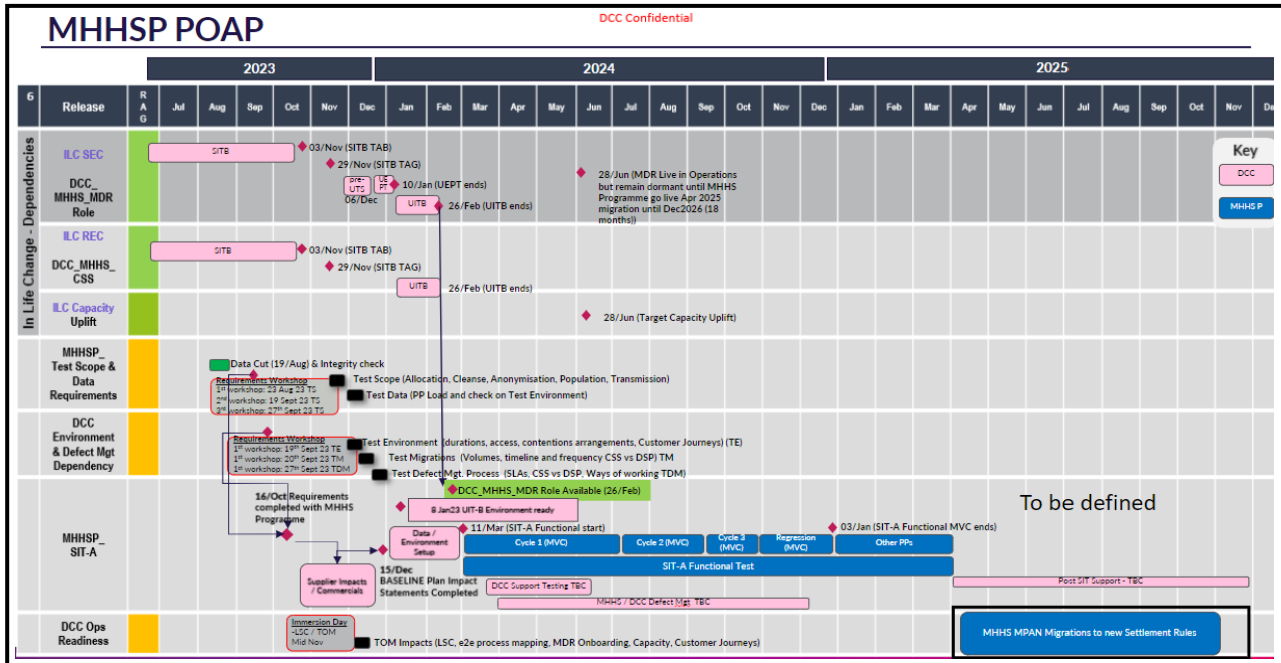
Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
Ofgem approval	25-10-22	28-11-22
MP162 Go-LIVE	27-06-24	27-06-24
R0044	27-06-24	27-06-24
Capacity Uplift	June 24/25	June 24/25
R0093	2025	April 2025

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

Top Risks and or Issues (See detail on page 2)
R0093 (CR4990) – agreement with RECCO on review on sequence to deliver R0093
R0097 – Delivery to be made by ERDA to support R0044 MHHS interface changes.

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
Given DCC unique position in delivering through SEC Modification, DCC and the MHHSP will be able to align on how Defect Management requirements will apply	<ul style="list-style-type: none"> <li>DCC to confirm the SEC governance path for the defect fixes through the Technical Advisory Group.</li> <li>This will drive the timelines that DCC will confirm with the programme</li> <li>MHHSP to confirm the assumption of the Defect Failure Rate per cycle</li> </ul>	Mid Nov '23	DCC/MHHSP

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
Awaiting details around the meter sets to be used in SIT Functional Testing	Call to agree MPAN's to be used for E2E Testing	17 Nov '23	MHHSP
Clarification on proposed changes to SIT Functional Test Cases & Scenarios, following deep dive sessions	MHHSP to publicise any resulting changes from the deep-dive changes, specifically relating to DSP involvement	31 Oct '23	MHHSP

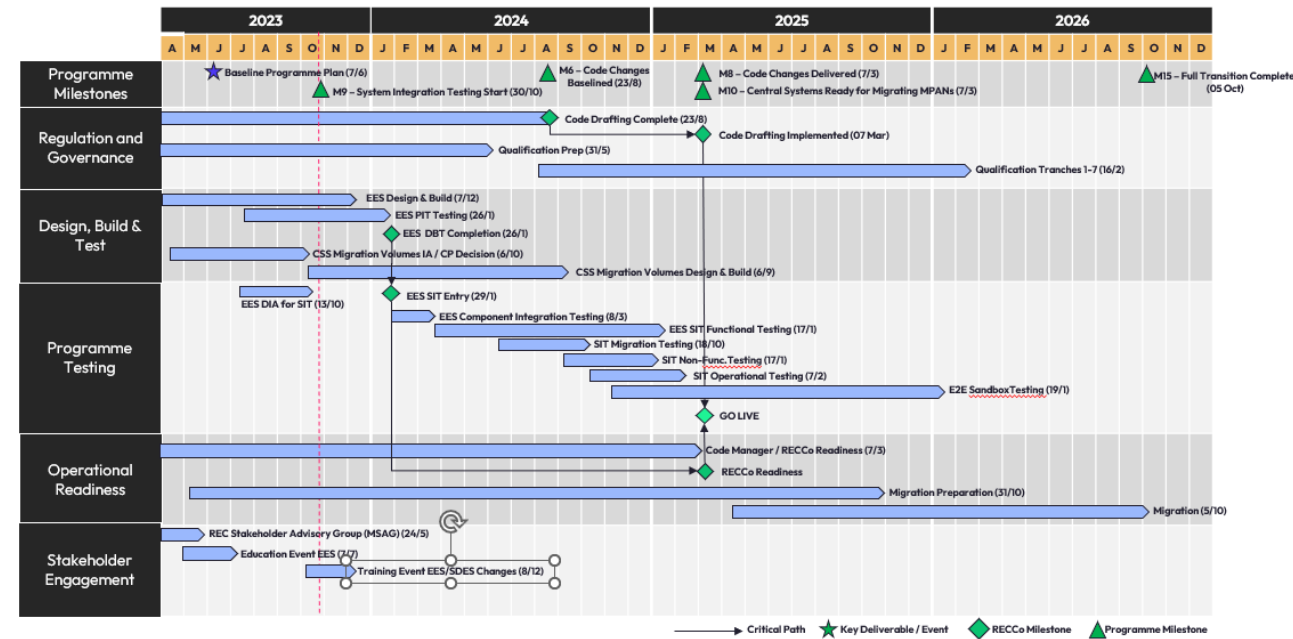


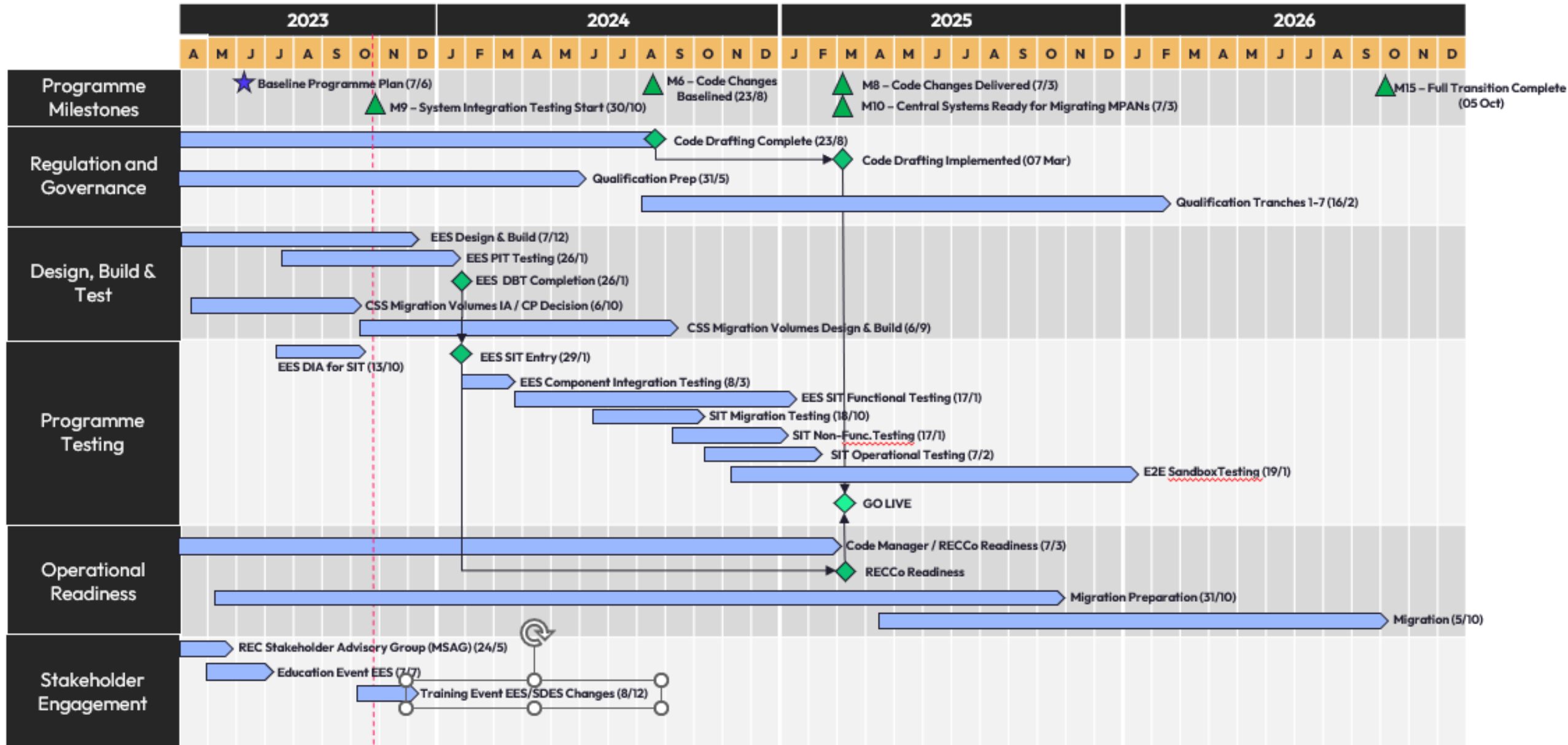
RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers	
Status & Outlook	<b>Progress last month:</b> <ul style="list-style-type: none"> <li>EES build &amp; test continues according to plan.</li> <li>EES Functional Spec for Ancillary Build received.</li> <li>DIA for SIT (CIT) / SIT Functional with C&amp;C approved.</li> <li>Submitted PIT Test Approach &amp; Plan to Programme.</li> <li>Programme, Elexon and RECCo continue to work closely to mitigate issues around qualification, good progress now being made address non-SIT LDSO Qualification which is expected to unblock development of next version of QA&amp;P and first version of QAD. Further work still required on Programme dependencies for Tranche 1-7 delivery. Still reporting amber on Plan due to this and uncertainty linked to wider Elexon replanning activity.</li> <li>Interfaces and Transition Tranche 4 Code Drafting issued for industry review</li> </ul>			<b>Progress expected in the coming month:</b> <ul style="list-style-type: none"> <li>EES Functional PIT Execution for Core build ongoing</li> <li>Finalise qualification testing roles, responsibilities and assumptions with Elexon</li> <li>First iteration of Qualification Assessment Document to be issued for industry review (tbc)</li> <li>Second iteration of Qualification Approach and Plan to be issued for industry review (tbc)</li> <li>CCAG approval for Governance &amp; Qualification, and Migration Code Drafting expected 13/11</li> </ul>			<b>Party Milestones &amp; Deliverables</b>	<b>Original or Baseline Date</b>	<b>Forecast date &amp; RAG</b>
	Registration Code Drafting	23/08/2023							
Qualification Assessment Doc v0.1 published	29/11/2023	29/11/2023							
EES Core Build Complete	04/08/2023								
EES Ancillary Design Complete	05/09/2023	31/10/2023							
EES Ancillary Build Complete	26/10/2023	7/12/2023							
Qualification Approach & Plan v0.2 published	29/11/2023	29/11/2023							
Gov/Qual, Interface/Data, Migration Code Drafting – CCAG Approval	13/11/2023	13/11/2023							

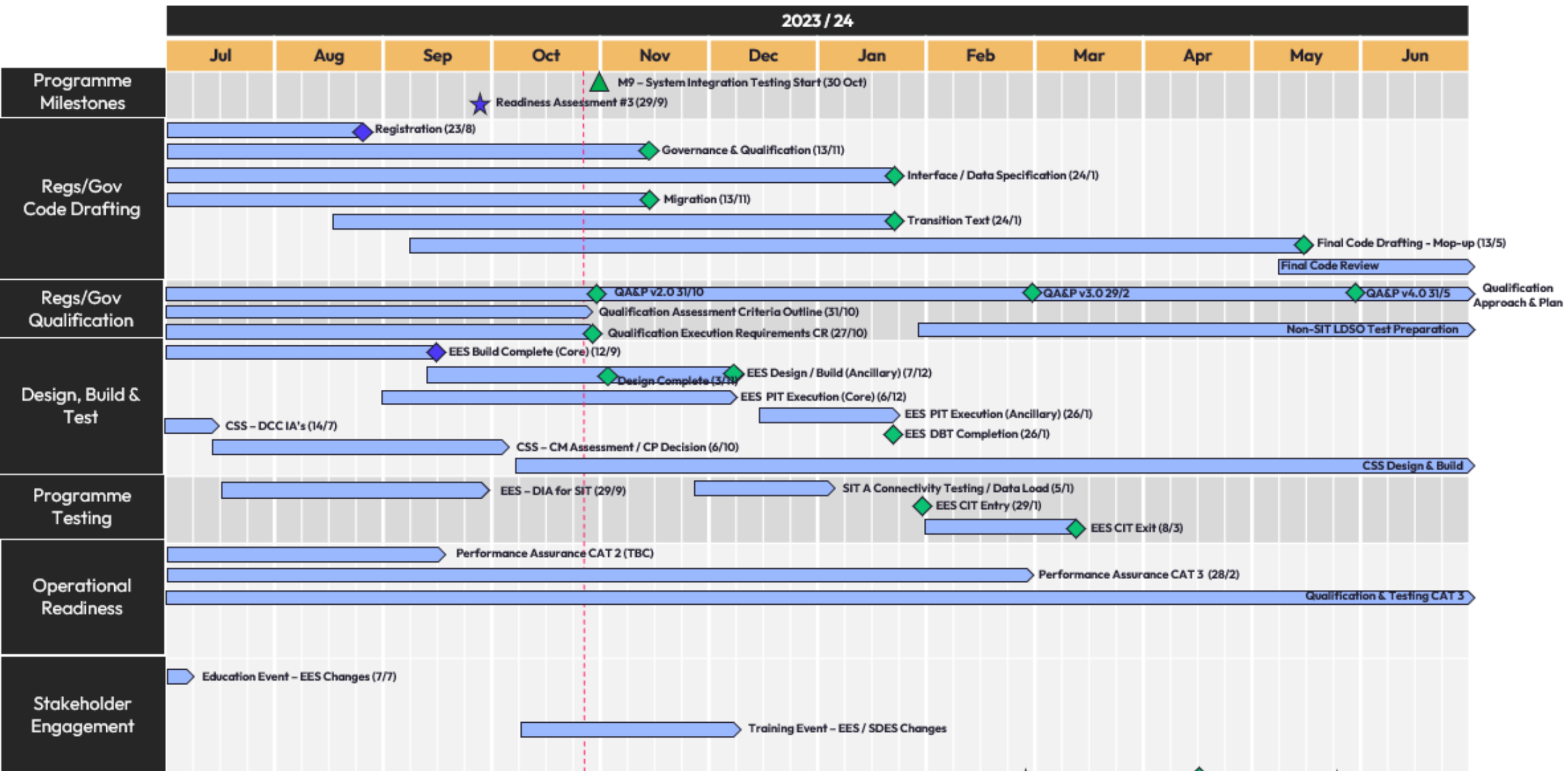
Decisions required	From whom?	By when?
None		

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Programme does not provide expected / required UIT environment to support Qualification Testing	Ongoing discussion with Programme (Simon Berry) to confirm provision of test environment and test data to support Qualification.	Oct '23	Andrew Wallace

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
Programme SIT Artefacts for provision of equivalent Qualification documents, providing clarity on roles & responsibilities and confirming any additional qualification requirements that Code Bodies need to undertake for SIT parties.	Programme has set out revised dates for SIT artefacts and replanning activity required to ensure that Code Bodies can support review in line with requirements for SIT and QAD development.	Nov '23	Andrew Wallace







RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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Status & Outlook	<b>Progress last month:</b> <ul style="list-style-type: none"> <li>DIP 4 – Test (PIT) milestone complete</li> <li>DIP-D38 PIT Exit Gate held and approval received</li> <li>Key testing deliverables / work products shared for review and approval</li> <li>DIP-D37 PIT Test Completion Report</li> <li>DIP-D39 PIT Defect Work Off Plan</li> </ul>	<b>Progress expected in the coming month:</b> <ul style="list-style-type: none"> <li>Mobilisation of support team (L1 Front Door) for SIT Support</li> <li>Defect triage and remediation for CIT Intervals 1 and 2</li> <li>Final approvals of DIP-D37 PIT Test Completion Report</li> <li>Roadmap for delivery of prioritized changes and enhancements</li> </ul>
	<ul style="list-style-type: none"> <li>Progress by workstream</li> <li>Delivery &amp; Change – supported Market Participants, Helix and Expleo in completing their DIP onboarding process for CIT Interval 1</li> <li>Applications – Bug Triaging &amp; Fixing for Interim Release 2 and Market Participant (subset) data load into SIT environment ready for CIT</li> <li>Infrastructure – Dedicated CA updates in PIT and SIT Environments</li> <li>Security – Prepared draft DIP-D44 Security Testing Results for peer review</li> <li>Testing – PIT execution complete against IR1 and IR2.1</li> <li>Service – IVR setup and testing, SNOW tooling and email setup</li> </ul>	<ul style="list-style-type: none"> <li>Workstream focus:</li> <li>Delivery &amp; Change – Support Market Participants in CIT Interval 2 and 3 through onboarding process</li> <li>Applications – Continued support on defect triage and fix for CIT and delivery of changes</li> <li>Infrastructure – version updates for PBA dependencies, progress on module testing dashboards</li> <li>Security – address remaining critical and high Defender for Cloud/DevSecOps issues</li> <li>Testing – CIT test support and address any feedback on DIP-D39 PIT Defect Work Off Plan</li> <li>Service – Service Rehearsal, SNOW retest, and Email retest</li> </ul>

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
Contract Signature	21/11/22	20/01/23
DIP 1 – Initialisation	30/01/23	24/03/23
DIP 2 – Design	28/04/23	28/04/23
DIP 3 – Build	11/08/23	11/08/23
DIP 4 – Test (PIT)	27/10/23	27/10/23
M9 – SIT start	01/11/23	30/10/23

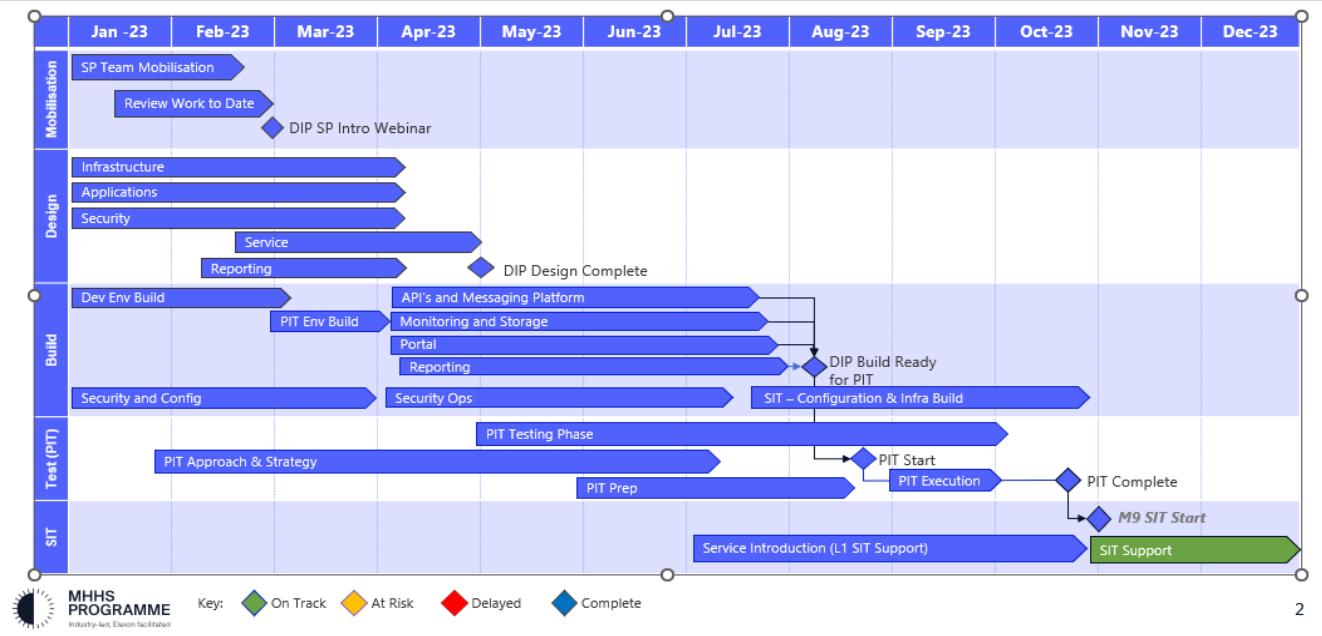
Decisions required	From whom?	By when?
None	n/a	n/a

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Onboarding Process yet to be finalized and agreed. Risk to design validity and approvals (Rework)	Proceeding at risk with DIP SP solution design. DIP SP to complete impact assessment. Changes will be delivered ahead of functional SIT	24/11/2023	Richard Gwatkin (Paul Daniels)
Design and runtime risk arising from MPAN state rules based on TOM Functional Architecture	Related DIP risk(#644) raised as rules based on IR3. Support SRO with review and baselining of latest version (0.7). Delivery of changes for Functional SIT.	24/11/2023	Rob Golding (Piotr Penar)

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

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
Industry-led, Expleo facilitated			

DIP Readiness for M9 – POAP

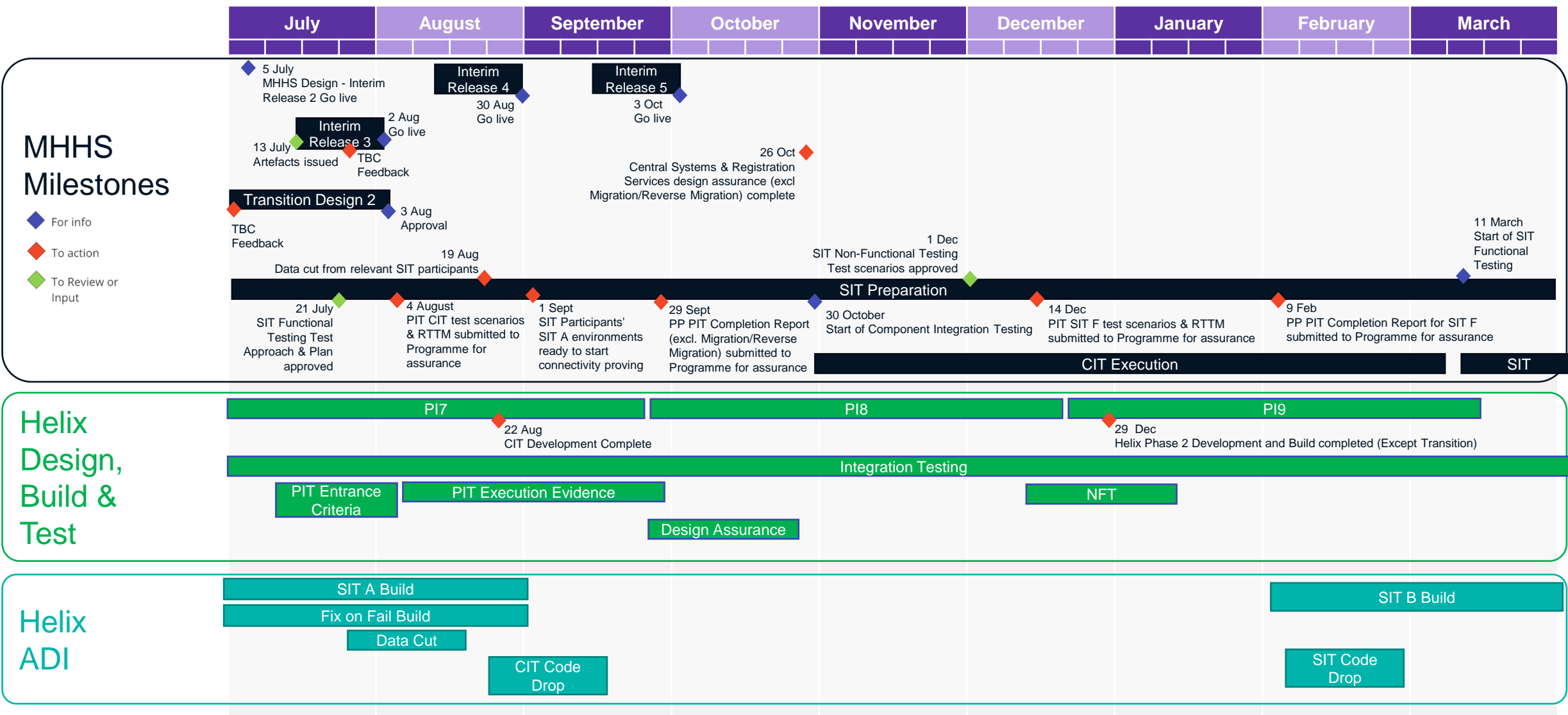




RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers	
Status & Outlook	<b>Progress last month:</b>		<b>Progress expected in the coming month:</b>		<b>Party Milestones &amp; Deliverables</b>			<b>Plan Date</b>	<b>Forecast date &amp; RAG</b>
	<ul style="list-style-type: none"> <li>Continued Development of PI8 across work packages 1-4 in sprint 8.3</li> <li>IR5.1 has been reviewed and impact assessed against current capacity</li> <li>Estimation and planning for Pi9 in Q1 underway</li> <li>Team are working to provide clarity on scope estimation is underway for functional items proposed to be delivered in PI9.</li> <li>Resolved final items for connection to the DIP, being message signing, AO Blocker, url lowercase only</li> <li>Continued discussions on strategy for qualification with MHHSP Programme</li> <li>Established Working group to progress support and transition planning</li> </ul>		<ul style="list-style-type: none"> <li>Continue PI8 Development</li> <li>Complete estimation of PI9</li> <li>Confirmation of Qualification strategy through discussions with MHHSP</li> <li>Continue with the qualification planning alongside the code bodies</li> <li>Complete the test strategy for qualification</li> <li>Commence script writing for qualification</li> <li>Priorities first phase of Service deliverables and begin production.</li> </ul>						
			For Helix to move to an overall green status a better understanding of the design changes that are still to materialise would be required.		Test scenarios submitted			4/08/23	Complete
					CIT development complete			22/08/22	Complete
					SIT A - HXT2 Environments ready for connectivity testing			1/09/23	Complete
					Delivery phase ends (DBT End) – for CIT IR2.			29/09/23	Complete
					Industry phase starts (CIT Starts)			30/10/23	Complete
					Code drop for SIT based on IR5.1. IR 4 can be delivered.			22/12/23	In Progress
					Target second code release for SIT			30/01/24	Not started
					PIT completion report of SIT			9/02/24	Not started
				Commence SIT Functional start			11/03/24	Not started	
				Industry phase ends (SIT End)			07/02/25	Not started	

RAID and RAG	Type	Mitigating or resolving action required	Date to be resolved/updated
If the further changes impact on the scope of Helix, they may impact ability of the Helix programme to deliver to plan.	Risk	Implementation of a MHHS programme change control process when changes are essential.	On-going
With the expectation of further interface changes the extent of these will impact the ability of Helix to maintain the timeline is dependent on the extent of the change	Issue	The interface changes released in IR 5.1 have increased the amount of work required from Helix, this is being discussed with the testing team to establish the best way to deliver the additional development work into testing.	30/11/23
As Helix have yet to test against the DIP there is a possibility that changes need to occur to either the DIP or Helix to resolve defects that may arise during this testing.	Risk	A number of differences became apparent prior to the testing with the DIP which meant changes needed to be implemented, AO blocker, security signature, lowercase only in URL, these items are now fixed with the deployment into the SIT test environment.	15/11/23
Helix are required to be involved in the on-boarding process of participants; it is assumed that this is not required until the end of 2024	Assumption	Helix's understanding this is not required for until operational testing. The impact of this is still being assessed however this is currently planned to commence from April 2024.	
Transition design.	Assumption	With the late delivery of the transition design Helix are re-planning it's delivery. The implementation of the transition design will likely take until the end of March 24. which is in line with MHHSP	04/11/23
If once all the SIT scenarios have been provided and the amount of work involved to convert these into qualification scenarios is greater than anticipated this may impact time.	Risk	This allows Helix to ensure consistency between the SIT and qualifications paths. All the scenarios are not required to start building the qualification scenarios. Work with MHHSP to establish the likely timeline.	30/09/23
With the release of IR5.1 there are items within the Helix backlog that cannot be delivered in time for the start of PIT for SIT functional testing.	Assumption	Working closely with the testing team to align delivery with testing to establish if an additional code drop can be accommodated.	22/12/23
It is assumed the SLA's provided by Helix for defect fixing during testing will be accepted.	Assumption	This is still being discussed with the MHHSP test team. Additional scenarios have been provided and a release schedule has been proposed by MHHSP.	41

# Path to Functional Systems Integration Testing (SIT)



RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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<b>Status Update</b>	<b>ElectraLink updates for November PSG:</b> <ul style="list-style-type: none"> <li>The MHHS programme has identified the need for a set of data flow changes and additions for SIT.</li> <li>ElectraLink are engaged with the Programme and REC Technology Services to explore options to meet this new requirement, a way forward has been agreed between ElectraLink, REC Code Manager and the SI.</li> <li>Continued collaboration with MHHS Programme and teams engaged via participating in working groups such as SITWG, FITG, S&amp;T, DAG, DWG and fortnightly sessions with the programme and Webinars.</li> </ul>					<b>Milestones and Deliverables:</b> <ul style="list-style-type: none"> <li>Planning milestones for DTS update to be agreed between ElectraLink, REC Code Manager and SI.</li> <li>To be communicated to industry before end of November.</li> </ul>		
	<b>Decisions required</b>						<b>From whom?</b>	
Testing flags to be used by the Programme to be confirmed.						Programme and ElectraLink		DTN testing start
Further confirmation required from the programme around DTN Flow changes and MDD version.						Programme		DTN testing start

RAID	Mitigating or resolving action required	Date for action to be resolved	Action owner
<b>Issue</b> – The MHHS Programme requires a new data flows, but there is currently no DTC for SIT available for the DTN for SIT. The requirement to make changes/additions to data flows for SIT testing is challenging given the proposal to use the production DTS (with test flows) and the time needed to design, develop and test these changes in the DTC between REC Technology Services (RTS) and ElectraLink, without creating risk to the live DTS service delivery	REC to update the Catalogue via existing Industry Processes.  Detailed plan to be agreed before end of Nov-23.	30/11/2023	<b>MHHS Programme</b>

Dependencies	Managing action required	Date for action to be resolved	Action Owner
Resolution of the DTC Issues			



RAGs	Overall	Approach	Plan	Resources	Budget	Risk	
Status & Outlook	<b>Activities reported as progressed in October:-</b> <b>SSEN (as MVC for SIT)</b> <ul style="list-style-type: none"> <li>Data cuts taken in August and transmitted to SCS</li> <li>Built test environments awaiting code from vendors</li> <li>Established VPN connection to connection provider and initial connecting proving</li> <li>Design and testing bi-lateral in place weekly re CIT and SIT.</li> </ul> <b>Genera DNO Comments</b> <ul style="list-style-type: none"> <li>DBT1 – Systems development progressed.</li> <li>DIP Adapter service procurement complete.</li> <li>Installation/ configuration of DIP Simulator in development/ PIT.</li> <li>Progressed on Data cleanse activities as per plan.</li> <li>Review of Programme design IR5; DB05 &amp; IF-020 Correlation ID options.</li> <li>Migration Thresholds Discussions progressed.</li> <li>Impact analysis of industry changes - R0132; R0092.</li> <li>Programme artefacts reviews: Environment Approach &amp; Plan, SIT scenarios/ cases (theme1 &amp;2); MHHS Codes Tranche4 consultation.</li> <li>Attended various Programme meeting with MHHS, St-Clements, Adapter DNO forum.</li> <li>Responded to Migration threshold consultation.</li> <li>Responded to Ecosystem request for information.</li> </ul>		<b>Activities reported as expected to progress November:</b> <b>SSEN (as MVC for SIT)</b> <ul style="list-style-type: none"> <li>DIP Onboarding completed as far as possible for SSEN. Dependency on ElectraLink to complete onboarding to close out final steps of process.</li> <li>ADQM 4.0 for CIT successfully installed &amp; PIT Testing completed.</li> <li>Proposed migration volumes reviewed &amp; approved internally. Caveat – awaiting more evidence from testing phases.</li> </ul> <b>General DNO Comments</b> <ul style="list-style-type: none"> <li>DBT1 – Continue Systems Build, Review of Test Strategy.</li> <li>Progress on Data Cleanse activities as per plan(DEL1181).</li> <li>Configure DIP Simulator for development/ PIT.</li> <li>Populate Placing Reliance document.</li> <li>Continue to attend various MHHS Programme meetings/ working groups.</li> <li>Impact analysis of industry change requests related to MHHS.</li> <li>Programme artefacts reviews – Test scenarios/ cases (themes 3,4&amp;5), Qualification Assessment Document, Message Signing &amp; Interface Code of Connection.</li> </ul>		<b>DNO Key Milestones (in Round 3 plan)</b>	<b>Round 3 date &amp; confidence level / RAG</b>	<b>Reasons for confidence levels</b>
	<b>For those intending to participate in Systems Integration Testing (SIT) - SSEN</b>						
	M9 - SIT CIT start		25-08-23 1 High confidence		Data share agreements in place and SOUT database successfully sent and loaded by SCS. DIP onboarding completed, as far as possible, for SSEN		
	SIT (Functional) start		27-Feb-24 1 Medium confidence		SCS to carry out on behalf of SSEN. Other DNO's to place reliance upon SCS testing. End to end walk through required of SIT functional scenarios inclusive of data to determine validity of test cases.		
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSSOs		07-Mar-25 1 High confidence		General Comment - Programme need to develop a detail approach & agree with participants as the exact requirements on DNO's to complete SIT NFT/OT testing unclear. Further work required with Programme to provide clarity.			
<b>For those intending to participate in non-SIT LDSO (qualification) testing</b>							
Non-SIT LDSOs testing start (Functional / Migration / NFT / Ops)		02-Jul-24 5 Medium confidence		<ul style="list-style-type: none"> <li>Programme need to develop a detailed approach &amp; agree with participants.</li> <li>Network Operations/ DURABILL/UMSSO/LDSO approaches to be decided – subject to programme clarifications</li> <li>Subject to no further significant design changes</li> </ul>			
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSSOs		07-Mar-25 5 Medium confidence		<ul style="list-style-type: none"> <li>As mentioned above need to wait for the approach direction from programme.</li> <li>Network Operations/ DURABILL/UMSSO/LDSO approaches to be decided.</li> <li>Subject to no further significant design changes</li> </ul>			
<b>Decisions to be made by DNOs</b>			<b>Impact of no decision</b>	<b>Decision by when?</b>			
DNOs to consider whether to sign off on C&C use of MPRS API code for use in ADQM API delivery. ADQM – C&C Network Ops solution			Slow down delivery of ADQM for SIT Functional. Could impede delivery of SIT Functional testing	03/11/2023			
Finalise decision on UMSSO system			Risk to meet non-SIT LDSO testing milestone	ASAP			
<b>Decisions required from the programme</b>			<b>Impact of no decision</b>	<b>Decision by when?</b>			
Confirm LDSO Capacity requirements and processes for Migration			Testing of systems and processes required for the Data Migration cannot be planned.	Oct 2023			
Clarify Qualification Testing process for non-SIT LDSOs for Registration Services, Networks Operations, & UMSSO roles.			Unable to properly plan testing and then failure to qualify – Not able to submit the placing reliance document in time for code manager.	ASAP			
Need clarity on involvement of 3 <sup>rd</sup> party adapter services provider in performing SIT (Functional and Non-Functional) on behalf of DNOs.			Failure to qualify – validity of SIT test results for non-SIT DNO participants.	ASAP			
Need decision on validation/ testing of DUoS Settlement process prior to the migration. Linked to CR019 decision – define scope of testing/evidence for proving central systems (data services / load shaping)			Accuracy of Billing/ settlement for LDSOs are not proven for the new settlement arrangements. Risk to DNO recovery of DUoS charges if central systems do not fully provide consumption data	ASAP			
CR029 decision - Design issue re requirement to route interfaces via DIP for LDSO interfaces			Unnecessary Complexity, Cost, and Risk to programme delivery with no identified benefits. Knock on impact to Testing, Qualification and Code Drafting	ASAP			
<b>Escalations (priority items for attention and support from the Programme+)</b>				<b>Action by when?</b>			
Clarification of non-SIT LDSO/ Qualification testing requirements (non-Registrations)				ASAP			
Migration – Volume and 60 min SLAs & response to consultation				ASAP			
Decisions on outstanding DIN log items, CRs and Design Queries				ASAP			
Programme MI Requirements are yet to be defined				ASAP			
<b>Risks or Issues</b>		<b>Impacts</b>		<b>Opportunities to resolve and deliver as soon as possible</b>			
Potential impacts on DNO budgets due to new change requests.		Require additional funding allocation.		Clarify scope (DBT, SIT, environment) and secure funding			
Potential impact on DNO budgets dependant on Environment requirement and timescales.		Potential under-recording of DNO cost impacts in the Programme benefits		Require firm commitments on requirements for Environment requirements for Non-SIT LDSO testing.			
Delayed delivery of the QAD (Qualification Assessment Document).		Not enough time for parties to provide response in preparation for QT.		Provide early visibility of the content of QAD in QWG.			
Availability of core software products (MPRS, UMSSO, etc.) to support Non-SIT LDSO PIT and Qualification Testing is unclear.		Unable for non-SIT participants to complete PIT in readiness for QT.		Provide a product delivery plan for the non-SIT LDSOs to complete the PIT.			
UMSSO System		Non-SIT LDSO testing milestone		Prioritise planning and resourcing			
Central systems (data services/load shaping) do not provide 100% coverage of consumption data to LDSO's		DNO's unable to fully recover DUoS charges.		CR019 decision			
Design is officially baselined but Detailed Design remains incomplete		Build cannot be completed, risk to testing milestones					
<b>DNO Adaptor status</b>							
<b>Decision to use an adaptor</b>			<b>Functional scope of adaptor agreed</b>		<b>Adaptor procurement completed</b>		
Yes 6			Wider 6		6 Complete		

RAGs	Overall	Approach	Plan	Resources	Budget	Risk
<b>Status &amp; Outlook</b>	<b>Activities reported as progressed in October:</b>		<b>Activities reported as expected to progress in November:</b>		<b>IDNO Key Milestones (in Round 3 plan)</b>	
	<ul style="list-style-type: none"> <li>Progressed IDNO SIT preparation.</li> <li>Progressed IDNO SIT and Non-SIT Qualification requirements by liaising with Code Bodies and the Programme.</li> <li>Monitored progress of LDSO DINs and CRs.</li> <li>Reviewed Programme comments to our Tranche 3 code drafting consultation response.</li> <li>Continued Data Preparation requirements activity.</li> <li>Engaged with RECCo regarding Placing Reliance Statement.</li> <li>Progressed DIP onboarding requirements.</li> <li>Bilateral with PMO.</li> <li>Review RA3 results and include in Impacts and Risks internally.</li> </ul>		<ul style="list-style-type: none"> <li>Ongoing readiness for SIT preparation.</li> <li>Continued review of draft Code changes.</li> <li>Continued monitoring of LDSO DINs progress and review CRs.</li> <li>Continue to undertake data cleanse and preparation requirements.</li> <li>Pursue Qualification requirement clarification.</li> <li>Continue to identify Programme impacts to current BAU processes.</li> <li>Continue to update Project Plans.</li> <li>Develop Placing Reliance Statement.</li> </ul>		<b>Round 3 date &amp; confidence level / RAG</b>	
	<b>Decisions to be made by IDNOs</b>		<b>Impact of no decision</b>		<b>Decision by when?</b>	
	Placing Reliance submission to be made – no deadline. Template has been provided for completion.		Non submission would mean Programme / Code Bodies unaware of scope of Last Mile’s testing requirements.			
<b>Decisions required from the programme</b>		<b>Impact of no decision</b>		<b>Decision by when?</b>		
SIT and Non-SIT participant Qualification requirements.		Could lead to delays in the qualification process and result in additional testing outside of the relevant SIT window.		ASAP		
<b>Escalations (priority items for attention and support from the programme)</b>				<b>Action by when?</b>		
<b>Risks or Issues</b>		<b>Impacts</b>		<b>Opportunities to resolve and deliver as soon as possible</b>		
There is a risk that Qualification requirements might challenge delivery.		Additional qualification requirements may threaten other areas of delivery.		Code Bodies identify what requirements there are for Qualification.		
Continued changes to Design		IDNOs unable to complete build		Continued engagement with Programme to determine design		
Migration volumes being unmanageable		Failed migrated MPANs		Managed migration. For example, migration profiled over each 24-hour period.		
Registration system Service Provider continue to work in Sprints to ensure readiness for elements of SIT.		Change to SIT programme		St Clements working with programme to ensure readiness.		
<b>For those intending to participate in Systems Integration Testing (SIT)</b>						
M9 - SIT CIT start		30-Oct-23 [1] High confidence [1] Medium confidence [ ] Low confidence		Progress for M9 is positive. Last Mile will be back up IDNO for SIT. C&C working to meet milestones.		
SIT (Functional) start		27-Feb-24 [1] High confidence [1] Medium confidence [ ] Low confidence		Last Mile will be back up IDNO for SIT. C&C working to meet milestones.		
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs		07-Mar-25 [1] High confidence [1] Medium confidence [ ] Low confidence		Progress for M10 looks positive but still some preparation to undertake. Last Mile will be back up IDNO for SIT. C&C working to meet milestones.		
<b>For those intending to participate in non-SIT LDSO (qualification) testing</b>						
Non-SIT LDSOs testing start (Functional / Migration / NFT / Ops)		02-Jul-24 [1] High confidence [2] Medium confidence [1] Low confidence		To gain high confidence we will work with our software provider to prepare our testing plan. Based on placing reliance communications so far. One party expecting potential delays. We would hope to be in a position to start non-SIT LDSO testing on time. However, it has been apparent from discussions on qualification that there remains areas for the Programme to clarify and provide more detail of what is expected. This may result in timescales being pushed out but we will continue to engage with the Programme.		
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs		07-Mar-25 [0] High confidence [2] Medium confidence [1] Low confidence		To gain high confidence we will work with our software provider to prepare our testing plan. Awaiting RA3 results in October to assess any further requirements. One party expecting potential delays. We would hope to be in a position to support migration start in a timely manner. However, this will be caveated by the actions taken by the Programme and any prior steps being completed on time.		
<b>IDNO Adaptor status</b>						
<b>Decision to use an adaptor</b>		<b>Functional scope of adaptor agreed</b>		<b>Adaptor procurement completed</b>		
Yes [5]		No [0]		MPRS only [0]		Wider [3]
						[3]

Overarching Costs for MHHS Central Parties FY 23/24

Financial Measure	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Totals (£m)
	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	
MHHS Budget	1.39	1.60	1.61	1.70	1.51	1.56	1.55	1.47	1.46	1.55	1.40	3.05*	19.85
MHHS Actual/Forecast	1.68	1.88	1.94	1.82	1.51	1.66	1.92	1.52	1.40	1.54	1.71	1.26	19.84
DCC Budget	3.41			3.41			3.41			3.41			13.64
DCC Act/Forecast**	1.38	0.7	0.33	0.45	0.55	1.44	1.14	0.28	0.9	1.8	0.82	7.34	17.13
Helix Budget	2.40	2.40	2.40	2.40	2.40	2.40	2.40	0.48	0.48	0.48	0.48	0.48	19.20
Helix Act/Forecast	1.89	2.18	2.29	2.02	2.28	2.20	2.56	0.76	0.76	0.76	0.76	0.74	19.20
RECCo Budget	0.24	0.15	0.17	0.15	0.18	0.17	0.47	0.22	0.24	0.38	0.24	0.26	2.85
RECCo Act/Forecast	0.12	0.03	0.05	0.03	0.03								0.26
<b>Total Budget</b>	5.17	5.29	5.15	5.39	5.05	5.10	5.56	3.09	3.08	3.55	3.02	4.67	<b>54.08</b>
<b>Total Act/Forecast</b>	5.07	4.79	4.61	4.32	4.37	5.34	5.62	2.56	3.06	4.10	3.29	9.34	<b>56.47</b>

**Please note:**

- MHHS: \* = includes contingency.
- RECCo: include only 3rd party costs (does not include internal resources)

- \*\* Note from DCC: Overall estimated cost has risen to £17.1m from £13.6m due to new Elexon Programme Testing & Migration related requirements now being clear in scope as a result of recent DCC/Elexon workshops (some requirements remain subject to further refinement).
- Actuals row to reflect the commitment from DCC to it's Service Providers to more accurately show the spread of expenditure over the period. This is a better view which is dependent upon the contractual processes DCC has with it's Service Providers.
- The Column 'Apr 23' includes all costs up to & including Apr 23, and column 'Mar-24' includes all costs from Mar 24 onwards, to include the full costs of the delivery

Workstream	Progress	Next steps		
		What	Owner	By When
<b>Design</b>	Design queries <ul style="list-style-type: none"> <li>• Low volume of outstanding call with move to calls relating to testing increasing</li> <li>• Average response time in October for closed tickets remains at approx' 1wd with a resolution of time reducing from 3wd to 2wd</li> <li>• Interim Release 5 was successfully released 4-Oct-23. A minor update to 5.1 was then released to capture updates to Swagger</li> <li>• 750 items recorded on the DIN log with &gt;500 being deployed since the fast-track process started.</li> </ul>	Continue to answer queries and monitor levels, the nature of the call is moving to testing and data related queries	MHHS	Ongoing
		Interim Release 6 on schedule for release 1-Nov-23	MHHS	1-Nov-23
<b>Design</b>	Design Assurance The team has completed all SIT participant dive sessions, all reports have been issued. There have been no material issues identified in SIT participants design preventing their entry in CIT	Continue to monitor and support participants in their design	SIT volunteers	Complete
<b>Testing</b>	SIT volunteers – 19 Placing Reliance Proposals reviewed by Programme and Code Bodies. All review comments issued back to participants. Process complete for CIT except for one PP	Review ahead of SIT Functional	SIT volunteers	Feb-24
<b>Testing</b>	Testing documentation in progress/published in last month: <ul style="list-style-type: none"> <li>• SIT Functional Test Scenarios &amp; Test Case Delivery Plan Approved</li> <li>• SIT Functional Test Scenarios &amp; Test Case Themed Reviews progressing, 4/5 complete</li> <li>• End-to-End Testing &amp; Integration Strategy refresh on hold pending decision on Sandbox provisioning</li> <li>• CIT Test Cases Batch 2 IR2 Uplift in progress for Industry Reviews (Interval 3 and 4 Participants) through Oct</li> <li>• End-to-End Testing &amp; Integration Strategy refresh on hold pending decision on Sandbox provisioning</li> </ul>	eTMAG Approval	MHHS	06-Nov-23
<b>Testing</b>	Test Data <ul style="list-style-type: none"> <li>• CIT Data to be loaded and checked for interval 2</li> <li>• CIT Data to be loaded and checked for interval 3</li> <li>• CIT Data to be sent through for interval 4</li> </ul>	CIT Data preparation for interval 2 complete (delayed date)	MHHS	09-Nov-2023
		CIT Data preparation for interval 3 complete	MHHS	03-Nov-2023
		CIT Test data for interval 4 sent	MHHS	07-Nov -2023
<b>Sims &amp; Ems</b>	On track to deliver IR5.1 uplift to DIP Simulator in early November Provided support to Testing by developing CIT test stubs and assisting with DIP 'smoke testing'	Scoping of non-MHHS Simulators with the SRO Management of DIP Simulator environments (e.g. defect management, 'Hotfixes') in the lead up to SIT Functional	MHHS	12-Jan-24
<b>Migration &amp; Transition</b>	Data Cleanse Working Group is now running on a monthly basis with highlighted issues being tracked and published on the collaboration base.	Access EES data to report on data cleanse issues. Confirm approach for sharing data cleanse information and data with Programme Participants.	MHHS	Ongoing TBC
<b>Migration &amp; Transition</b>	Migration volume thresholds assurance meeting took place on 25 October and a further update to the document was published based on the feedback received.	The final Migration Thresholds Document is due to be published on 8 November before it is taken to TMAG for approval on 15 November.	MHHS	15-Nov-23

FTIG meetings

- Strong, positive & constructive engagement from attendees
- Recent key topics:
  - Progress on work off plans to start SIT CIT
  - Recommendation to start SIT CIT
  - Coco and DIP Onboarding alignment
- Continue with weekly 45 minutes sessions as CIT Intervals 2-6 start
- Will review FTIG purpose, scope and frequency during November

SIT Outlook:

- Covered in main agenda

MHHS Programme  
 IPA  
 Avande (DIP)  
 British Gas / Centrica  
 BUUK Infrastructure  
 C&C Group Holdings  
 Callisto  
 Data Communications Company (DCC)  
 E (Gas and Electricity) Ltd  
 EdF (metering services)  
 E.ON Next Energy Limited  
 E.ON UK Energy Solutions (metering services)  
 Edgware Energy  
 Electralink  
 Elexon Central Systems (Helix)  
 Energy Assets Ltd  
 Ensek  
 ESG  
 IMServ  
 Itron Metering Solutions (UK)  
 Kraken Data Services  
 Last Mile Electricity Ltd  
 National Grid Electricity Distribution

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





**Overall Status**

- The Code Drafting Workstream is on track for M6 delivery in August 2024 and lower-level tier 3 milestones are all on track



**October Summary**

- Tranche 3, Migration, Governance/Qualification at the post consultation assurance stage – closes 20/10
- Interface/Data Specification drafting, DCUSA and Transition text at consultation – closes 01/11
- Mop-up Code drafting starting to amend previously produced Code Artefacts and remaining items



**November Deliverables**

- Triage and respond to Interface/Data Specification, DCUSA and Transition text consultation
- Continue Mop-up drafting to align Code to Design CRs and DIN changes
- Continue Mop-up's remaining Artefacts not yet updated

Drafting Milestones	Baseline date	Forecast date	Status
Data Services approved at CCAG	24/05/23	24/05/23	Complete
Metering Services approved at CCAG	24/05/23	24/05/23	Complete
Registration approved at CCAG	23/08/23	23/08/23	Complete
BSC Central Services approved at CCAG	27/09/23	27/09/23	Complete
Governance and Qualification approved at CCAG	22/11/23	22/11/23	Green
Transition Text and Interfaces approved at CCAG	24/01/24	24/01/24	Green
Topic Area Mop Up approved at CCAG	13/05/24	13/05/24	Green
Consequential Change approved at CCAG	13/05/24	13/05/24	Green
Finalise and consistency check approved at CCAG	23/08/24	23/08/24	Green
Code changes baselined (M6)	23/08/24	23/08/24	Green
Smart Meters Act powers enabled (M7)	06/12/24	06/12/24	Green
Code changes delivered (M8)	07/03/25	07/03/25	Green

Governance group updates

**Programme Steering Group (PSG)**

**Updates from Extraordinary PSG 30 October 2023**

- M9 Decision:** The SRO approved the completion of Tier 1 Programme milestone T1-TE-1000 (System Integration Testing Start (M9)). Information was provided on participant and Programme readiness as per the meeting papers, as well as views from the IPA and Ofgem. The meeting papers and Headline Report can be found on the [PSG area of the MHHS website](#). The approval of M9 represents a crucial milestone for the Programme and signifies the start of Systems integration Testing (SIT) as well as a shift in the Programme as activities transition from design and build to testing for early adopters. SIT commences with Component Integration Testing (CIT), which is the first of the five stages of SIT. Extensive testing will take place between now and M10 (Technical Go-Live, with migration activities commencing at M11. In addition to supporting CIT execution, the Programme are now working toward finalising preparation activities for SIT Functional testing and subsequent phases as well as working closely with Code Bodies to clarify and finalise the approach to Qualification Testing.

PSG papers available [here](#).

**Testing and Migration Advisory Group (TMAG)**

**Update from TMAG 20 September 2023**

- Migration Thresholds and Migration Profile:** The Programme provided an update on the proposed timelines for the development of the Migration Threshold artefact.
- SIT Functional Test Scenarios & Cases:** The Programme shared the revised delivery approach for the SIT Functional Test Scenarios & Cases.
- E2E Testing and Integration Strategy:** The Programme provided an update on the delivery of the refreshed strategy.
- SIT CIT Test Cases:** The Programme provided an update on Test Cases Batch 1 (Intervals 1 & 2).
- SIT CIT Readiness Tracker:** The Programme shared that the tracker was available on the CB [here](#) and is being updated weekly.
- Qualification Update:** The Elexon Qualification Lead provided an update on QWG.
- IPA Test Assurance Update:** The IPA provided an update on P1 and P2 Test Assurance.
- 3 Month Milestone Look Ahead & Milestone Changes:** The TMAG approved milestone changes to the Programme Plan.
- Top Programme Risks related to TMAG:** the top risks and related mitigation actions were discussed.

TMAG papers available [here](#)

**Design Advisory Group (DAG)**

**Updates from DAG 11 October 2023**

- CR032 Impact Assessment:** The DAG approved the issuance of Programme Change Request (CR) 032 ([Change to Interface IF-165 P0210 TUoS Reporting](#)) to Impact Assessment (IA) subject to amendments requested by the DAG. IA will be issued to all participants in due course.
- Updates to Interface Code of Connections (CoCo):** The DAG approved minor updates to the CoCo. The v1.1 CoCo will be published in due course a notification provided to participants via The Clock.
- Transition Design Updates:** The DAG agreed to issue the Tranche 2 Transition Design (Settlement Timetable) documents for consultation. Responses should be provided to [transitiondesign@mhhsprogramme.co.uk](mailto:transitiondesign@mhhsprogramme.co.uk) by CoB 25 October 2023. A decision on approval will be made at the DAG on 08 November 2023. release is Interim Release (IR) 5 on 04 October 2023.
- Testing Release Strategy:** The Programme provided information on testing releases and how these will be managed alongside design releases (for further info see DAG meeting papers).

DAG papers available [here](#)

**Cross Code Advisory Group (CCAG)**

**Update from CCAG 25 October 2023**

- Horizon Scanning Log:** For BSC, P459 was discussed. For REC, R0083, R0083A, R0117, R0139, R0143, R0148 were discussed, for DCUSA, DCP428 was discussed. The Programme walked through changes that they believed will impact them.
- CDWG Escalations:** No escalations were raised.
- CCAG Reporting, Risks and Milestones:** CCAG members approved the movement of Elexon Consequential Code Change T3 milestone from the December to the February consultation. The Programme provided a high-level overview of the Mop-up planning activities, including the approach and controls.
- Consequential Code Change Delivery:** Updates from Elexon and NGENSO were provided in relation to their delivery status.
- CDWG Update:** The Programme provided an overview from CDWG.

CCAG papers available [here](#)

Wider Programme Updates

**M9 Approval:**  
Following the approval of **Milestone Nine (M9: Systems Integration Testing (SIT) Start)** at the Programme Steering Group (PSG) on **Monday 30 October 2023**, the Programme will proceed into its next major phase of delivery. M9 is a Tier 1 (Level 1) Milestone and critical moment for the Programme. It signifies the start of SIT and a shift in Programme delivery as we transition from the design, build and test focus for early adopters, into the initial stages of integrated industry testing.

**Participant Checklist:**

- Interface Code of Connection (CoCo) updated:** The Programme has published an updated, red-lined version of the Interface Code of Connection (CoCo) to **v1.2** to account for participant feedback on Section 8 Message Signing. To review the changes and check how it impacts you, please visit the [Data Integration Platform \(DIP\) page of the MHHS website](#).
- Interim Release 6 Design Artefacts to be published today:** We're publishing the **Interim Release 6 Design Artefacts** today, on **Wednesday 1 November**. These Artefacts will be published on the [Baselined Design Artefacts page of the MHHS website](#). For ease we'll also publish red-lined documents with tracked changes on the [Red-lined Design Artefacts page](#) to make clear which sections are updated.
- Environment Approach & Plan updated:** Following the assurance review that closed on **20 October 2023**, the Programme has published an updated version of the **Environment Approach & Plan**. Both red-lined and clean versions of the document are now available in addition to a Consolidated Comments Log. You can view these documents on the [Testing Overview page of the MHHS website](#). The document will be taken to the Environment Working Group (EWG) on **Tuesday 7 November** before going to the Testing & Migration Advisory Group (TMAG) on **Wednesday 15 November**.

**Upcoming Events:**  
**SIT Functional Test Scenarios & Cases Deep Dives:** As indicated in the SITWG on **Friday 6 October**, the Testing team have scheduled a series of five SIT Functional Test Scenarios and Cases Deep Dive sessions that are taking place between **10 October and 7 November 2023**. The session recordings and Q&As are available on the [SITWG page of the Collaboration Base](#).  
**NEW! Transition & Operational Readiness Working Group:** The first meeting of the Transition & Operational Readiness Working Group (TORWG) will take place at **14:00 on Tuesday 5 December 2023**. Meeting papers will be issued the week before.

**Upcoming Governance Meetings:**

- Thursday 02 November 2023: Data Working Group (DWG)
- Thursday 02 November 2023: Systems Integration Testing Working Group (SITWG)
- Tuesday 07 November 2023: Environments and Configuration Management Working Group (EWG)
- Tuesday 07 November 2023: Security Design Working Group (SDWG)
- Wednesday 08 November 2023: Design Advisory Group (DAG)
- Wednesday 08 November 2023: Programme Steering Group (PSG)



### Testing

- The PPC Team are continuing to support the Testing Team in ensuring participants' readiness for their assigned CIT intervals.
- We have supported the Testing Team in holding ADO User Training, Day-in-the-life (DITL) Guidance Sessions and conducting a CIT Dress Rehearsal.
- These were all well received by the participants, with a number of key learnings taken away to allow for the development and continuous improvement of future sessions.
- **Next Steps:** Begin supporting the Testing Team through CIT Execution and additional readiness for CIT Intervals 2 – 6.



### Qualification

- Participants continue to raise queries around scope of Qualification which include when upcoming documentation is scheduled to be released, clarity on placing reliance and general timelines.
- **Next Steps:** PPC team have set up a Qualification PEM and will align on the communications for release of the updated QA&P and other Qualification documentation.  
PPC team have helped organise and facilitate an LDSO Testing session with the Code Bodies are collating feedback from participants on the session.  
PPC to work with the Testing team on participants comms for bringing LDSO testing into the scope of the Programme.



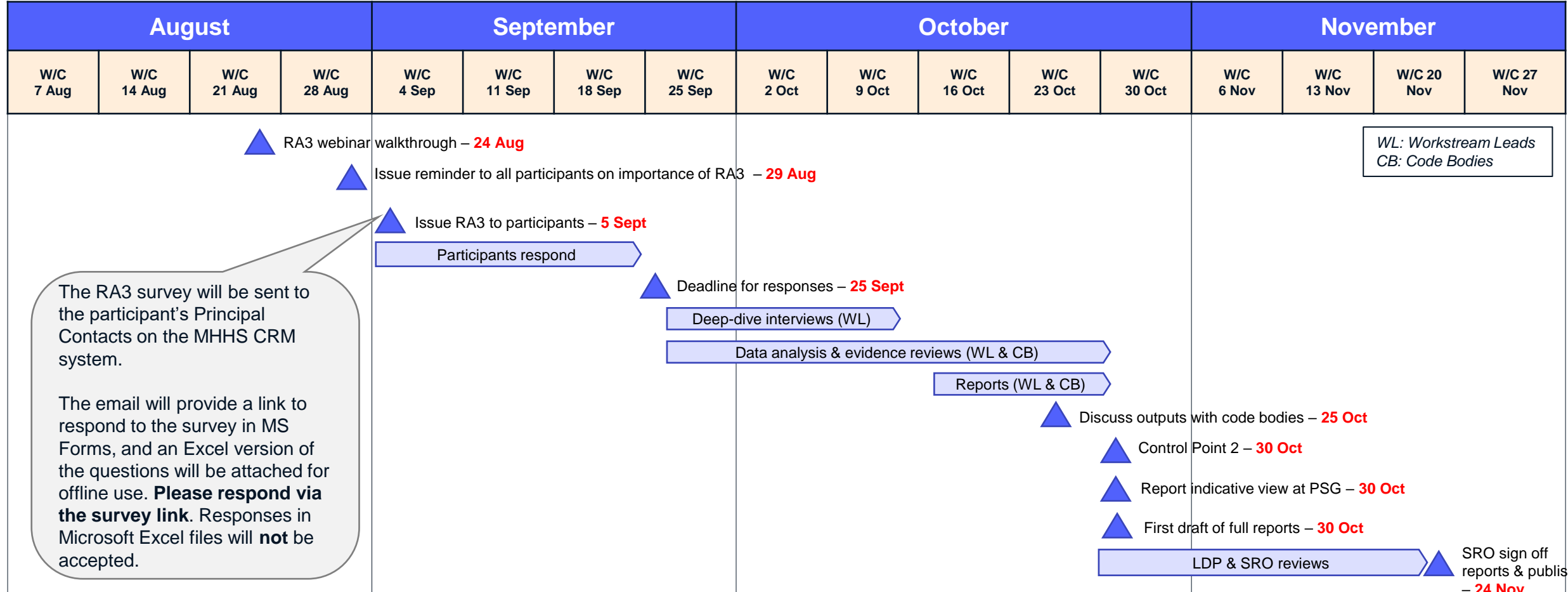
### Targeted and Tailored Communications

- The PPC team has supported Message Signing communications to provide participants with the key messages and action points.
- The PPC team coordinated the M9 communications for an update on Programme delivery and progress.
- Phase 2 of the Communications Channels action plan is underway to support participant's user experience on the Collaboration Base and website.
- **Next steps:** Identify topic for the next webinar and ensure the Participant Checklist continues to serve as the key source of deliverables across the Programme



### Participant Readiness

- The PPC team are supporting Design and Delivery assurance activities to ensure participants are engaged and well informed of the ask and how the Programme can help navigate their challenges. We have now completed all of the Design and the Delivery Assurance sessions. The PPC team have sent all Design Assurance reports to participants.
- The PPC Team presented the RA3 Indicative View at PSG on Monday 30 October, the key findings of which were fed into the decision to approve M9. and are in the process of finalising the RA3 Individual Reports and the first draft of the RA3 Overall Report ready for SRO review from Monday 30 October.
- **Next steps:** Continue to track actions following both Design and Delivery Assurance sessions and baseline any remaining Delivery Assurance reports.  
Finalise RA3 Overall Report and participant Individual Reports ready for publishing on Monday 27 November.



**Key Points:**

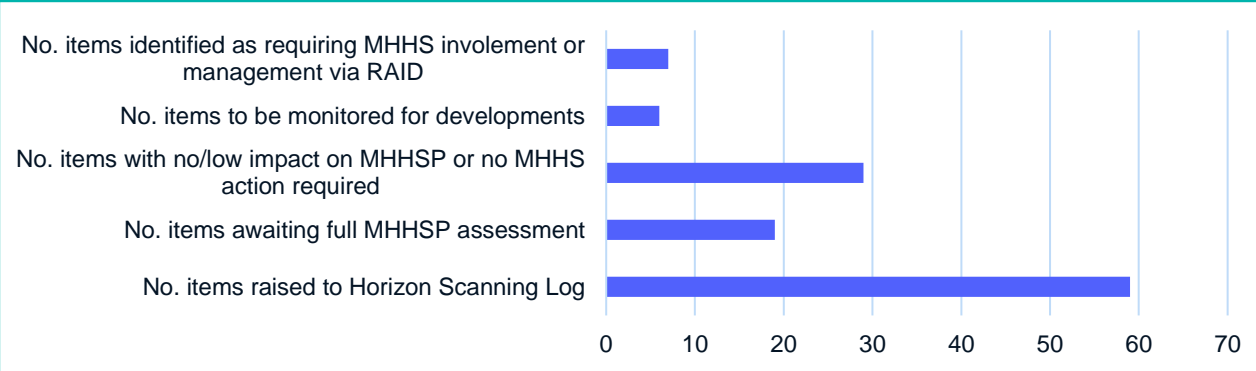
**Three weeks for participants to respond (05/09 - 25/09)**  
Participants will have three weeks to respond to the RA3 survey.

**Two and a half weeks set aside for deep-dive interviews on a risk-based approach (26/09 – 11/10)**  
Based on responses received, we may perform deep-dive interviews with a selection of non-SIT participants. We will also consider making visits to any participants who do not respond to the survey.

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

**Horizon scanning metrics**

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



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

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

**Industry code changes: 59** – REC: 32, BSC: 12, SEC: 4, DCUSA: 10, CUSC: 1

**Wider industry changes: 5** – HH opt-out, DUoS SCR, code review, microbusiness definition, licence change

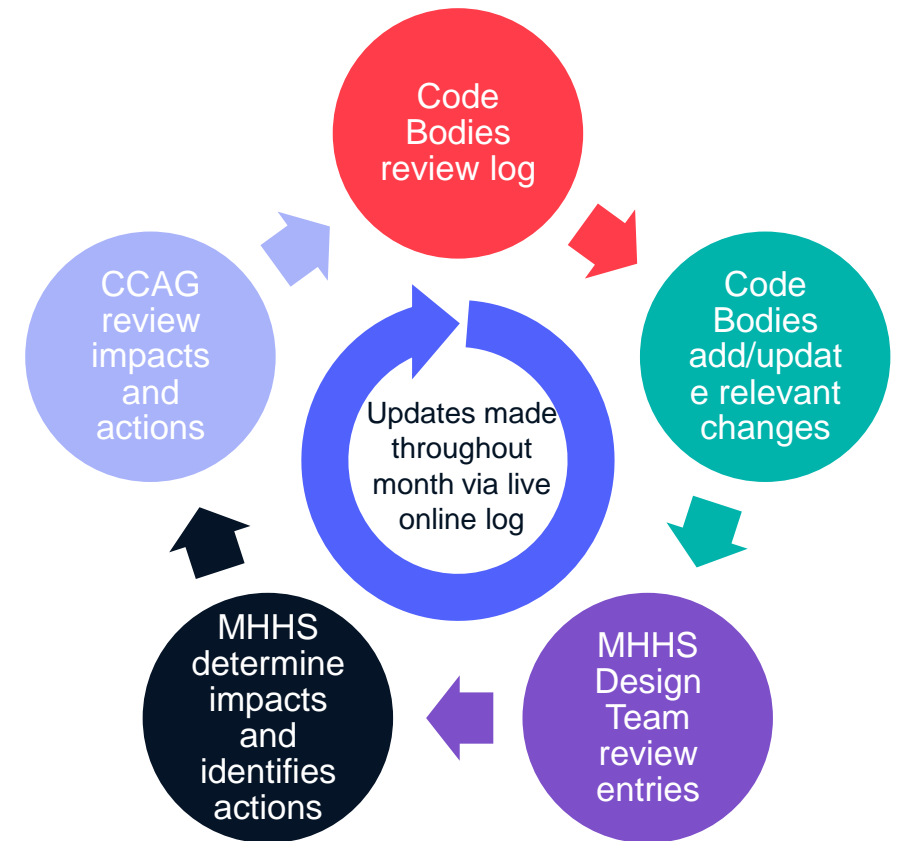
**Criticality of horizon scanning items** – High: 4, Medium to High: 3, Medium: 4, Low/No impact: 29

**Top RAID linked items:**

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

**Horizon Scanning Process**

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



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



## Assurance Activities in Progress / Completed during month

### Theme-Based Assurance

- **Ongoing Embedded Assurance Activities (WP1) - In Progress** - Monthly cadence of regular interactions with MHSP. **Completed** - Reviewed Programme's Control Point 2 report and shared our summary view with PSG on 30 October 23.
- **Design Documentation (WP4) - In Progress** - Continued monitoring of ongoing design updates/change requests through attendance at DAG and DRG and review of supporting documentation.
- **Conflicts of Interest (WP5) - In Progress** - The scope of ongoing assurance activities is currently being socialised and agreed with the Programme and Ofgem.

### Stage-Based Assurance

- **Test Assurance (WP9,10,11):**
  - **Test Assurance "Period 2 (P2)" - Completed** - P2 summary report provided to PSG on 30 October 23 to support M9 'SIT Entry' milestone decision. Detailed actions to be addressed in the early stages of SIT CIT are currently being agreed with the programme.



## Upcoming Assurance Activities

- **Test Assurance (WP9,10,11) "Period 2"** - complete fieldwork activities and reporting for sampled non-SIT Qualification route Participants.
- **Test Assurance (WP9,10,11) "Period 3"** - planning and scoping for the next phase of test assurance activities to be conducted as the Programme moves through SIT CIT towards SIT Functional.



## Assurance Action Status

Total agreed actions from IPA reports:

Complete  
49

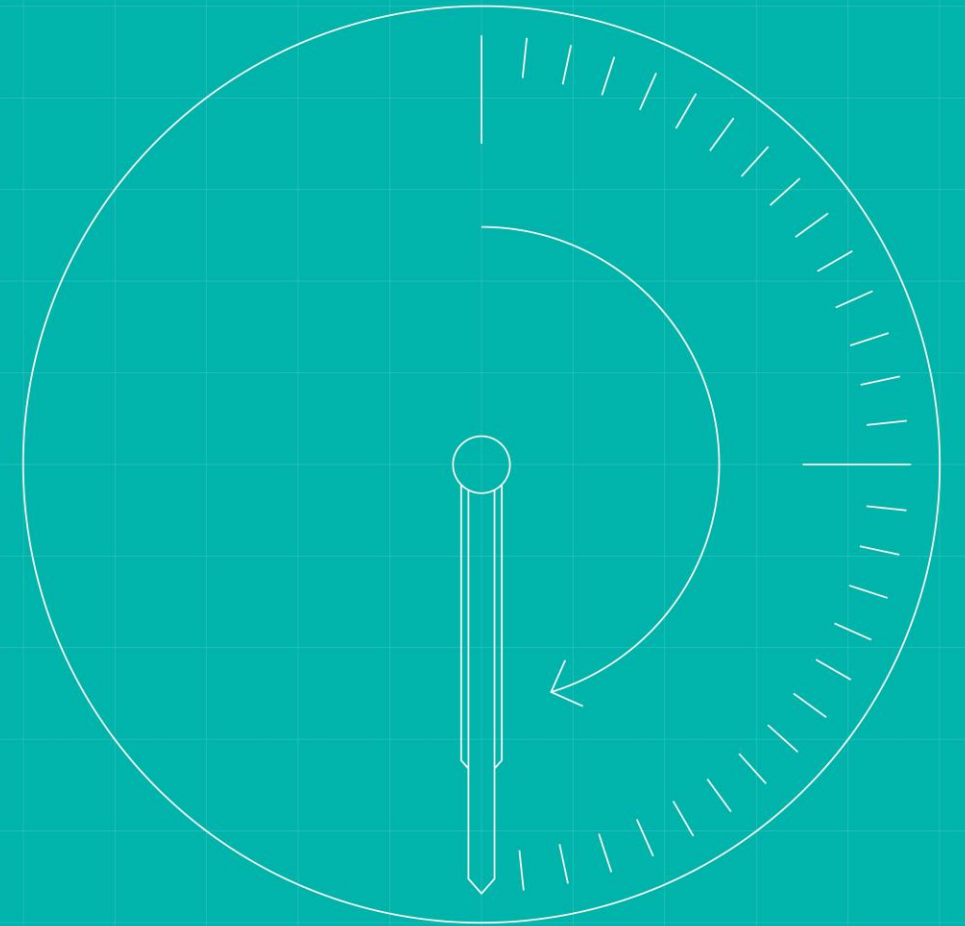
In Progress  
24

# Elexon Budget

**INFORMATION:** BSC governance requires SRO to request comment from PSG community

*Chair*

*5 mins*



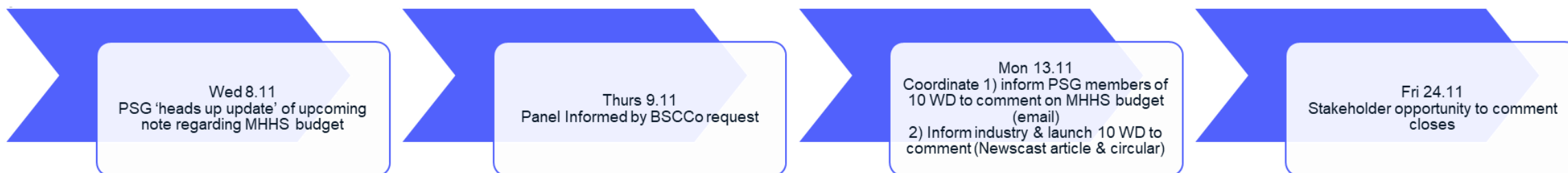
# Early Notification of Budget Change

- **Headline: Early notification (detail to follow 13.11)**

Following the MHHS Industry supported re-plan earlier this year alongside the number of participants volunteering for the early phase of Industry Testing (SIT Milestone 9), the programme has had to adjust its resourcing profile and will be requesting the drawdown from the £90m budget for the current financial year.

The increase for FY23/24 is an in-year increase only, bringing forward existing planned spend, and **does not change the overall £90M programme budget.**

- **Co-ordination:** To not unduly favour PSG members and to avoid embargo / recording pausing, we have decided to notify PSG members that this information will be shared for comment at the same time as industry is informed (Monday 13<sup>th</sup> November)
- **Next Steps:** I will send out the notification on Monday 13<sup>th</sup> November. Others in your organisation are likely to see the communication (through Newscast article and circular). Opportunity to comment closes on Friday 24<sup>th</sup> November



- **BSC Requirement: 12.19 MHHS Implementation: Additional Budget Requirements**

- *12.19.1 When BSCCo produces draft Annual Budgets and Annual Budgets under paragraph 6.4, and when BSCCo produces draft revisions and revisions to Annual Budgets under paragraph 6.5 or 6.6, BSCCo shall (in addition to its obligations under paragraph 6):*
  - a) identify the costs which relate to BSCCo's role as MHHS Implementation separately from BSCCo's other costs;:*
  - b) present those aspects which relate to these costs to the MHHS Programme Steering Group; and*
  - c) take into account representations received from the MHHS Programme Steering Group, and provide a written explanation to the MHHS Programme Steering Group of the changes which are made as a result of such representations or (if changes are not made) of why BSCCo has not made such changes.*

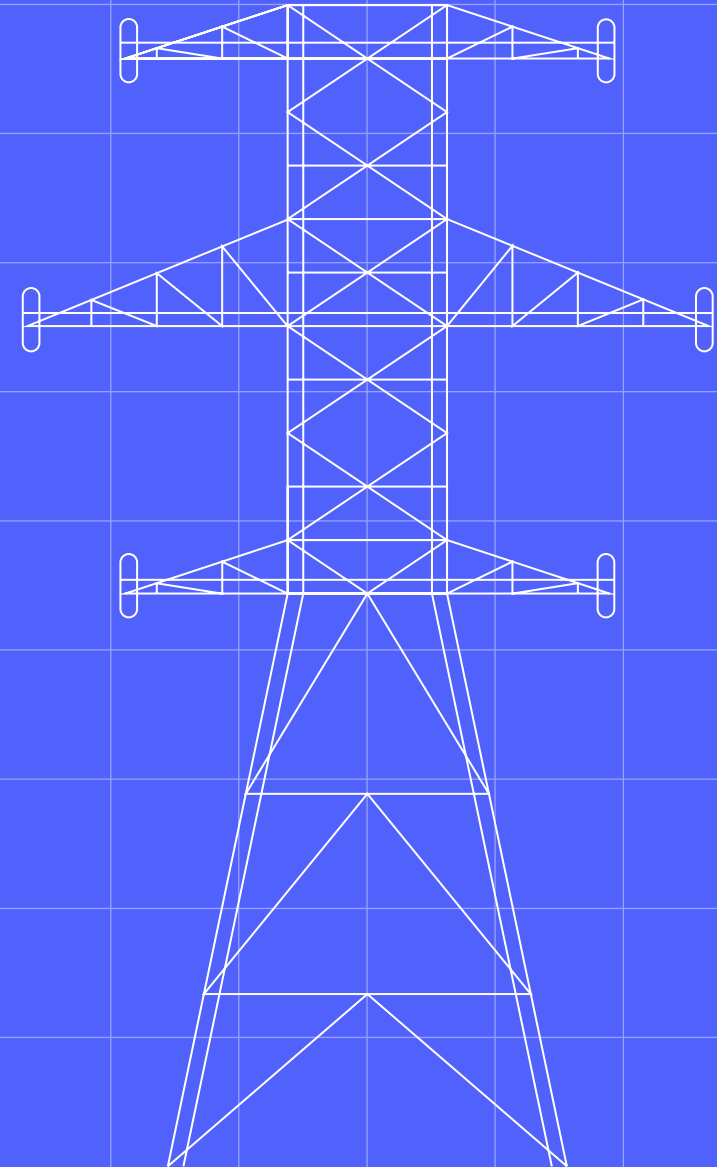


# Summary and Next Steps

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

*Chair and Secretariat*

*5 mins*



## Summary and next steps

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1. Confirm actions and decisions from meeting
2. Next PSG meeting:
  - **Regular: 06 December 2023 10:00 – 12:00 (virtual)**
3. 2024 meeting schedule

### 01 November 2023 agenda items

- RA3 Report
- Qualification Testing (Suppliers and Agents) (TBC)

### Standing items

- Minutes and action review
  - Sponsor update
  - 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](mailto:PMO@mhhsprogramme.co.uk)

**Thank you**