MHHS PROGRAMME

Programme Steering Group #24
06 September 2023

Version 2.0

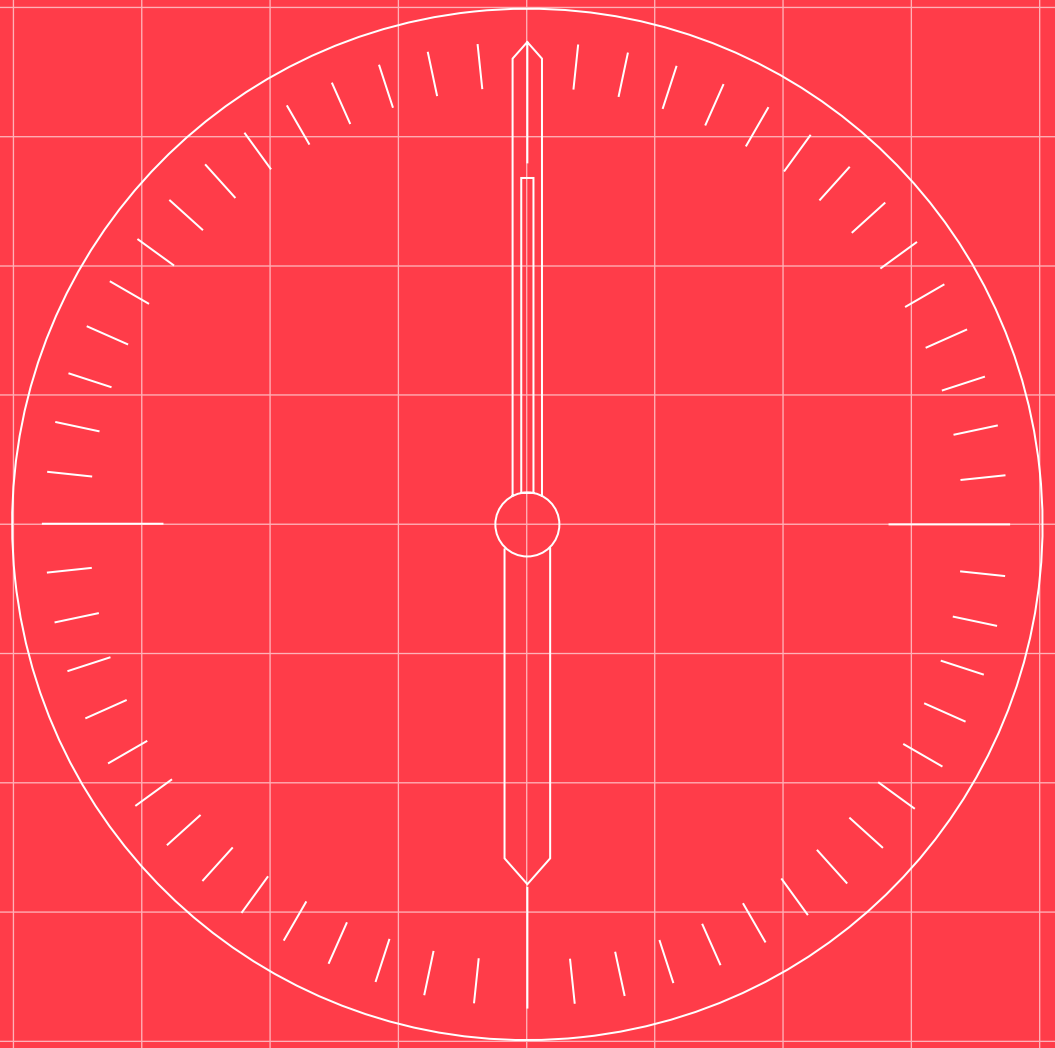
MHHS-DEL1542

Document Classification: Public

Agenda

#	Item	Objective	Type	Lead	Time	Page
1	Welcome		-	Chair	10:00-10:05 *5 mins*	1
2	Minutes and Actions	Approve minutes and review actions	Decision	Chair & Secretariat	10:05-10:15 *10 mins*	3
3	Sponsor Update	Update from the Programme Sponsor	Information	Ofgem	10:15-10:20 *5 mins*	5
4	Programme Reporting	Progress reporting against the Programme Plan	Information	Programme (Keith Clark)	10:15-10:25 *10 mins*	7
5	SIT Update	SIT updates including: • SIT Readiness • SIT Status • Reminder: Reporting Scheme and Decision Choreography	Information	Programme (Adrian Page & Lee Cox)	10:25-10:40 *15 mins*	10
6	Qualification Testing	Updates from Code Bodies on progression of qualification testing, including risks, dependencies, and any matters for PSG awareness	Information	Elexon (Oliver Meggitt) & RECCo (Jonny Moore)	10:40-10:55 *15 mins*	15
7	Control Point 2	Update on Control Point 2	Information	Programme (Keith Clark)	10:55-11:00 *5 mins*	25
8	SASWG Status Update	Updates on progress of Settlement Analysis Scoping Working Group (SASWG)	Information	Programme (Chris Welby)	11:00-11:10 *10 mins*	27
9	Delivery Dashboards	Questions from PSG members on delivery dashboard content	Information	Chair	11:10-11:25 *15 mins*	29
10	Summary and Next Steps	Summarise actions and decisions, and look ahead to next meeting	Information	Chair & Secretariat	11:25-11:35 *10 mins*	60

Minutes and Actions



DECISION: Approve minutes and review actions

Chair & Secretariat

10 mins

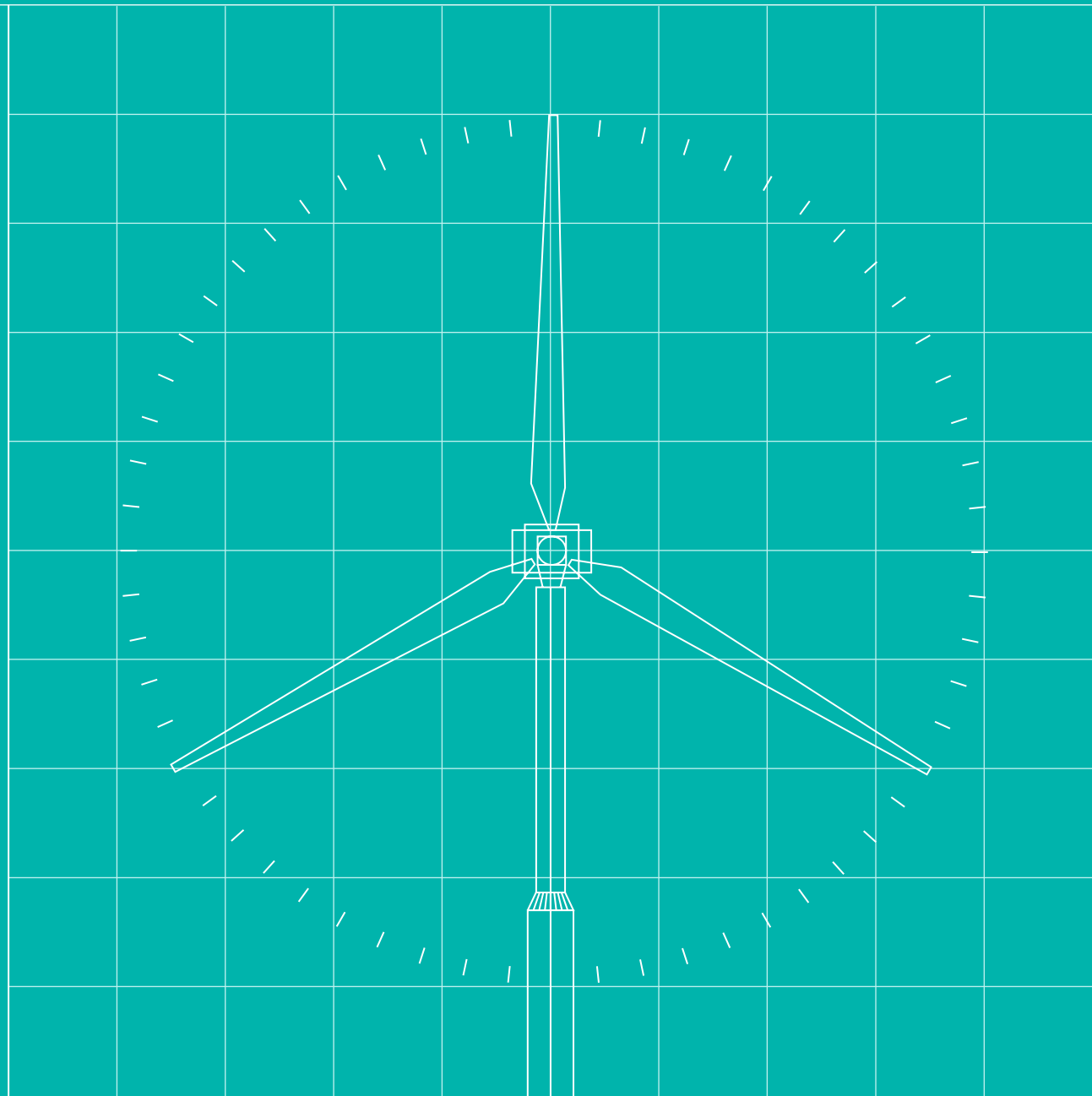
Document Classification: Public

Minutes and Actions

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: Status under review in Control Point 2.
PSG18-05	Look into the assurance process for LDSOs for the accuracy of data for DUoS billing	Programme (Jason Brogden)	05/07/2023	ONGOING: Programme to present their proposal on providing assurance on settlement accuracy to SIT Working Group 7th September The Programme is discussing where and how assurance might be gained on DBT2 (Consequential Change) with the IPA.
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	ONGOING: Activity to be monitored through PSG until M9. PSG Constituency Representatives will continue to encourage their constituents to engage the Programme bi-laterally where they need support.
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. Will be published in the next release of these documents.
PSG23-01	Diarise the extraordinary PSG meeting needed for M9 approval on 30th October.	Programme (Fraser Mathieson)	06/09/2023	RECOMMEND CLOSED: Extraordinary meeting booked.
PSG23-02	Circulate supporting slide pack for St Clements delivery update to PSG members with Headline Report.	Programme (Lewis Hall)	04/08/2023	RECOMMEND CLOSED: Slides circulated with August PSG Headline Report
PSG23-02	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)	06/09/2023	[IN PROG – Gov Framework, Change Control Approach, lower level escalations - pull out key points – confirm expectations with HT over L3 appeals – liaise with IPA to confirm/define process]
PSG23-04	Review LSC appeal and determine what the Programme can address within its scope and what is outside of the Programme's control (i.e.. wider industry issue). Review this with the LSC and agree a plan to take forward.	Programme (Jason Brogden & Lewis Hall)	06/09/2023	ONGOING: Meeting scheduled with GW 31/8/23 to discuss progression of actions. SASWG considered settlement impact of issues, agreed that this will not form a hypothesis for analysis but for this to be captured in SASWG output.

Sponsor Update



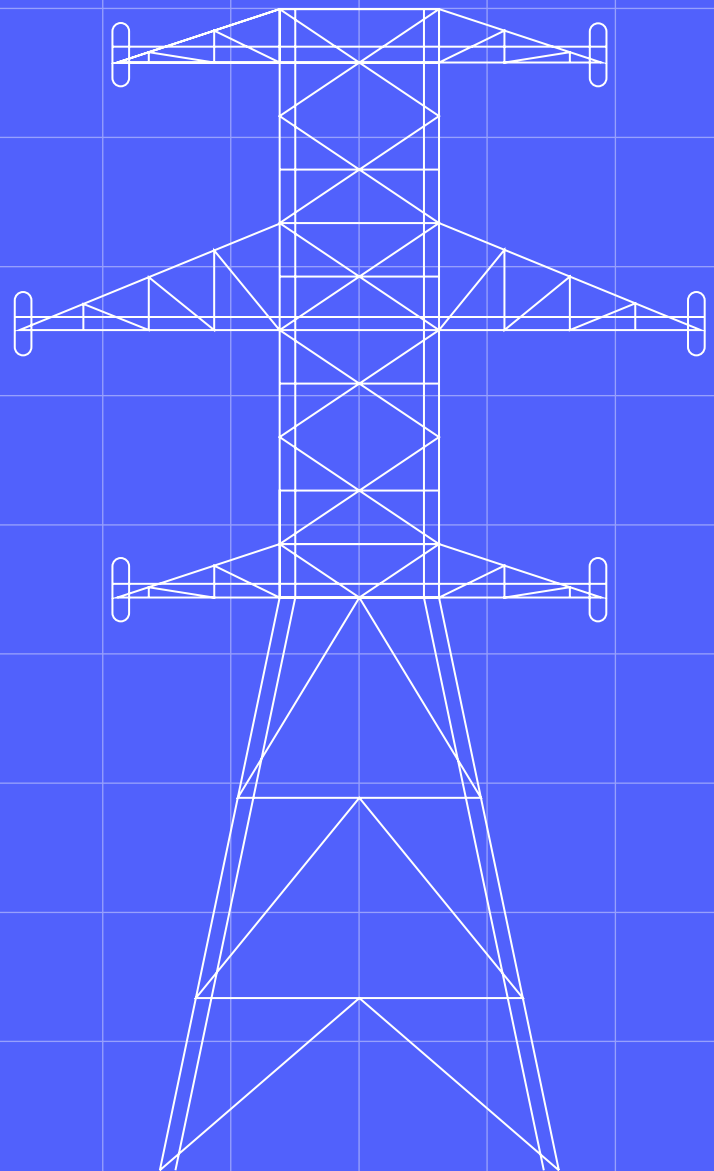
INFORMATION: Update from the Programme Sponsor

Ofgem

5 mins

- We welcome the good progress industry is making in its PIT and CIT activities
- There is a strong expectation for industry and central bodies to ensure SIT begins on time
- Government, DESNZ and Ofgem senior management all have a keen interest for this Programme to be delivered in line with the new timetable.

Programme Reporting



INFORMATION: Progress reporting against the Programme Plan

Programme (Keith Clark)

10 mins

Document Classification: Public

MHHS Milestone Status (1)*

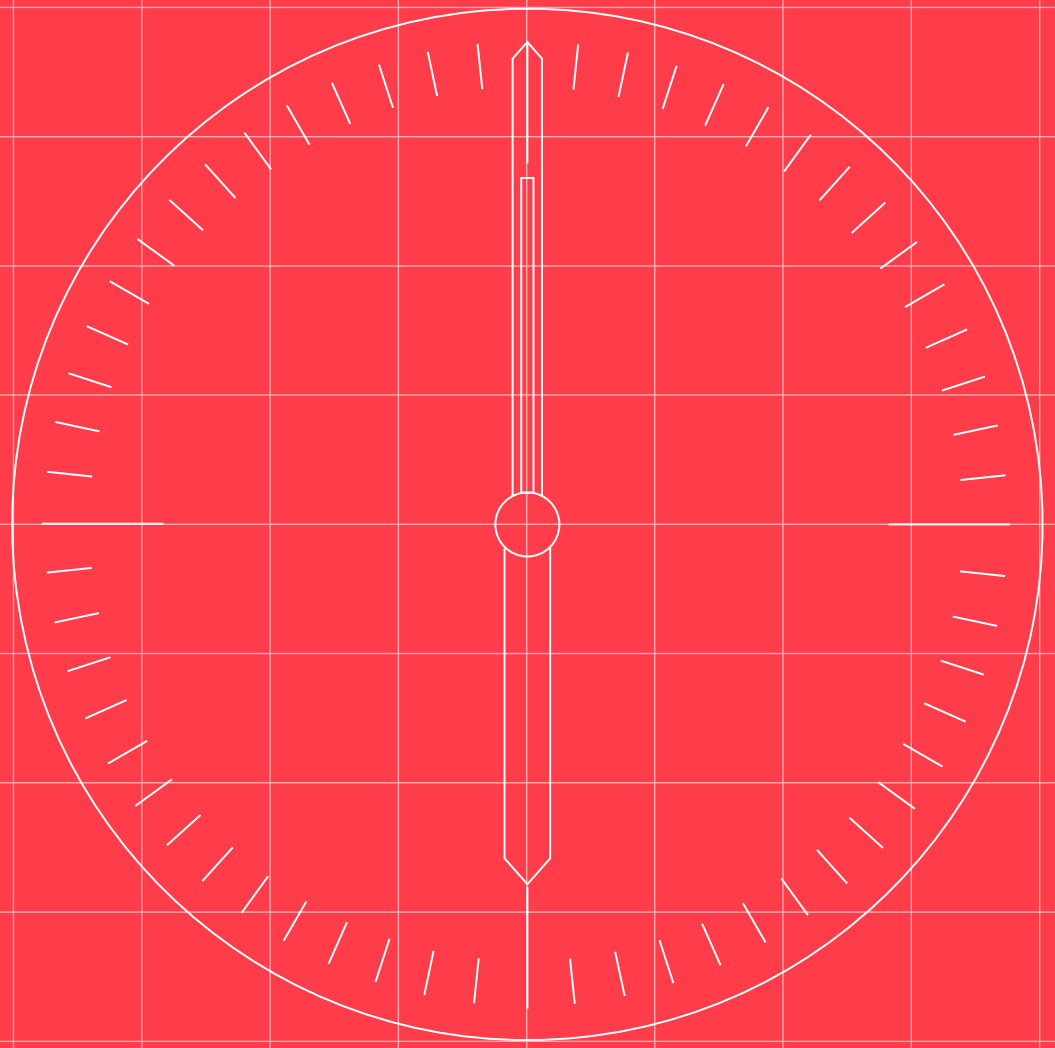
Milestone Tier	Milestone ID	Milestone Title	Baseline Date	Forecast Date	Previous RAG Aug PSG	Current RAG Sep PSG	Forecast RAG Oct PSG	Commentary
T3	T3-DB-0035	DIP Simulator uplifted to align with Interim Release 2	Fri 11/08/23	Fri 11/08/23				
T3	T3-TE-0017	Production data cut GONG decision	Wed 16/08/23	Wed 16/08/23				
T3	T3-TE-0013	SIT Functional Testing Test Approach & Plan approved *(incorporates associated companion test data document approval)*	Wed 16/08/23	Wed 16/08/23				
T2	T2-TE-0200	Data cut from relevant participants' production systems completed	Mon 21/08/23	Mon 21/08/23				Data cut successfully executed over weekend 19-Aug-23
T2	T2-RE-0250	Code drafting for Registration topic area approved	Wed 23/08/23	Wed 23/08/23				
T3	T3-TE-0019	SIT Participants' SIT A environments ready to start connectivity proving (incl. certificates and security compliance) CIT Interval 1	Fri 01/09/23	Fri 01/09/23				
T2	T2-RE-0200	Code drafting for BSC Central Services topic area approved	Thu 14/09/23	Wed 27/09/23				
T3	T3-DB-0083	Interim release 5 Go live	Wed 04/10/23	Wed 04/10/23				
T2	T2-TE-0250	SIT Component Integration Testing 1 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	Mon 23/10/23	Mon 23/10/23				Currently monitoring risks related to Core Capability Providers' readiness for early SIT CIT intervals (based on recent delivery assurance meetings). FTIG recommendation will be sought, to support this TMAG milestone decision
T2	T2-DB-0100	Phase 1 - SIT Volunteers (Core Providers) complete	Fri 27/10/23	Fri 27/10/23				Cohort 1 initial design assurance meetings are complete, Cohort 2 have started. Follow-up meetings will be prioritised on a risk basis
T3	T3-TE-0060	Component Integration Testing Interval 1 Start	Mon 30/10/23	Mon 30/10/23				Currently monitoring risks related to Core Capability Providers' readiness for early SIT CIT intervals
T1	T1-TE-1000	System Integration Testing Start (M9)	Mon 30/10/23	Mon 30/10/23				Currently monitoring risks related to Core Capability Providers' readiness for early SIT CIT intervals
T1	T1-CP-2000	Control Point 2 - Start of Integration & Test (incl. Control Point Report approval)	Mon 30/10/23	Mon 30/10/23				Control Point 2 review will be conducted in support of M9 decision at PSG
T3	T3-DB-0039	DIP Simulator uplifted to align with Interim Release 5	Fri 03/11/23	Fri 03/11/23				

* All Tier 1 and Tier 2 milestones to M9 are included
Selected Tier 3 milestones are included for context

MHHS Milestone Status (2) *

Milestone Tier	Milestone ID	Milestone Title	Baseline Date	Forecast Date	Previous RAG Aug PSG	Current RAG Sep PSG	Forecast RAG Oct PSG	Commentary
T2	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	T2-RA-0200	Readiness Assessment 3 - Design & Build Checkpoint 1 - Completed (incl. Readiness Assessment Report approval)	Fri 17/11/23	Mon 13/11/23				
T3	T3-TE-0090	Environment Approach and Plan - SIT Functional	Wed 15/11/23	Wed 15/11/23				
T3	T3-TE-0061	Component Integration Testing Interval 2 Start	Mon 13/11/23	Mon 13/11/23				
T3	T3-TE-0091	Environment Approach and Plan - Non SIT LDSO	Wed 15/11/23	Wed 15/11/23				
T2	T2-DB-0250	Tranche 2 Transition Design Baselined	Thu 03/08/23	Wed 15/11/23				Deferred. To be re-planned via monthly sessions with MTDSG members, starting w/c 03-Jul-23. Date-change CR031 raised to DAG, no impact expected
T2	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				
T2	T2-DB-0200	SIT PPs design assurance (excl Migration/Reverse Migration) complète	Wed 22/11/23	Wed 22/11/23				
T2	T2-RE-0300	Code drafting for Governance and Qualification topic areas approved	Mon 13/11/23	Wed 22/11/23				
T2	T2-RE-0400	Code drafting for Migration topic area approved	Wed 22/11/23	Wed 22/11/23				
T3	T3-TE-0062	Component Integration Testing Interval 3 Start	Mon 27/11/23	Mon 27/11/23				
T2	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 04/12/23				
T3	T3-TE-0063	Component Integration Testing Interval 4 Start	Mon 11/12/23	Mon 11/12/23				

SIT Update



DISCUSSION: SIT updates including:

- SIT updates including:
- SIT Readiness
- SIT Status
- Reminder: Reporting Scheme and Decision Choreography

Programme (Adrian Page & Lee Cox)

15 mins

Document Classification: Public

SIT Readiness

Test Area	Status	Comment
CIT	**Amber**	Overall Test execution commences: 30-Oct Test Approach (plus associated Test Data) Approach and Plans: Approved @TMAG 19-Jul Test Scenarios: eSITWG agreed 23-Aug. Issued for Approval at eTMAG 30-Aug Test cases: Plan to deliver in 3 Batches agreed through Governance: • Batch 1 (CIT Interval 1&2): TMAG Approved 29-Sep – On Track • Batch 2 (CIT Interval 3&4): TMAG Approved 03-Nov – On Track • Batch 3 (CIT Interval 5&6): TMAG Approved 08-Dec – On Track SIT Tracker available on the Programme Collaboration Base Interval 1 – DIP PIT Execution started against IR1. Due to complete 09-Oct IR2 Uplift & Test 10-23 Oct Approach & Plan – Updated A&P provided following 1st Assurance review Interval 1 – Helix PIT Execution started, Due to complete 29-Sep Agreement reached for Helix testing against DIP Simulator Approach & Plan – Await updated A&P following 1st Assurance review Interval 2-6 Interval 2 – St Clements, all on track Interval 3 – 9/10 A&Ps received, await nPower's Interval 4 – A&Ps due to be received from 25-Aug. Assurance activities will not start until 02 Oct due to other priorities
Functional	**Amber**	Test execution commences: 11-Mar-24 Test Approach (plus associated Test Data) Approach and Plans: Approved @TMAG 16-Aug Test Scenarios: Issued for 10-day Industry Assurance Review 21-Aug Test cases: Will not achieve 01-Sep Approval. Need to be uplifted from Baseline Design to IR5. Plan for approval to be socialised through September Governance Meetings
Migration	**Green**	Test execution commences: 10-Jun-24 Test Approach (plus associated Test Data) Approach and Plans: Planned – Industry Consultation 26-Oct, TMAG Approval 20-Dec Test Scenarios & Test Cases: Delivery plans to be shared and agreed, forecast approval March 24 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
Non Functional	**Green**	Test execution commences: 02-Sep-24 Test Approach (plus associated Test Data) Approach and Plans: Planned – Industry Consultation 25-Jan, TMAG Approval 20-Mar Test Scenarios & Test Cases: Delivery plans to be shared and agreed, forecast approval May 24 Note – Non-Functional Requirements allocation across PIT and SIT to be socialized in September NFTWG.
Operational	**Green**	Test execution commences: 07-Oct-24 Test Approach (plus associated Test Data) Approach and Plans: Planned – Industry Consultation 21-Mar, TMAG Approval 15-May Test Scenarios & Test Cases: Delivery plans to be shared and agreed, forecast approval July 24

SIT Status

SIT Status
Updated to 30/08/2023

Core Capability Providers	Status	Comment
Elexon (Helix)	**Amber**	PIT exit for M9 remains achievable but with minimal contingency and increasing risk. Re-work of plan based on PIT testing with DIP Simulator required. Confirmation received from Helix that IR1 and IR2 can be met; awaiting clarity on timing of 2 DINs in Jan-24 and potential impact (if any) on CIT testing
DIP	**Amber**	Design – all documents approved Build & test (PIT) for IR1 and IR2 on track for CIT start date Ongoing dialogue with MHHS team on a number of points inc (1) environment build dates (2) DIP's PIT exit date for IR2 (3) interface validation functionality
St Clements	**Amber**	Latest SCS plan shows additional sprints with later sprints at some risk of not meeting CIT interval 6 with adequate PIT assurance. Initial release for CIT Interval 2 has no contingency Solution to support CIT continues under MHHSP review
RECCo	**Green**	DBT plans for EES are on track to be ready for CIT Interval 6 as planned
DCC	**Amber**	MDR, CSS changes and capacity upgrades on track SI discussions progressing well on test environments / release management, defect management– conclusions on those matters should return status to green
ElectraLink	**Green**	ElectraLink requires confirmation of changes required to DTN Flows
LDP (SI)	**Amber**	Test deliverables approvals at TMAG continue. CIT and SIT Functional test scenarios and test cases delayed, but new dates agreed. Data – on track. Risk on DSAs approvals requested by or before 25-Aug

Constituency	Number of PPs confirmed for SIT (FTIG attendees)	Market Roles	Number of Market Roles required for SIT MVC	Number of Market Roles confirmed for SIT	Names of Participants (RAG – Green = confirmed, Black = TBC)
Supplier / Independent Agent	17	Advanced Data Services	2	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
Large, Medium, Small, I&C Supplier	10	Suppliers	2	10	British Gas, Belsize, E, Edgware, E.ON Next, Octopus, OVO, Rebel Energy, Unify Energy, Utilita
DNO, iDNO, LDSO	2	Network Operations	1	2	BUUK, SSEN
		UMSO	1	2	BUUK, SSEN
Managed Service Providers	8		n/a	n/a	C&C, ENSEK,, ESG, Kraken, SeaGlass, Utiliteam, Procode, Wheatley
National Grid (ESO)	1		*1*	*1*	National Grid (ESO)

REMINDER: Illustration of PPs' readiness reporting scheme

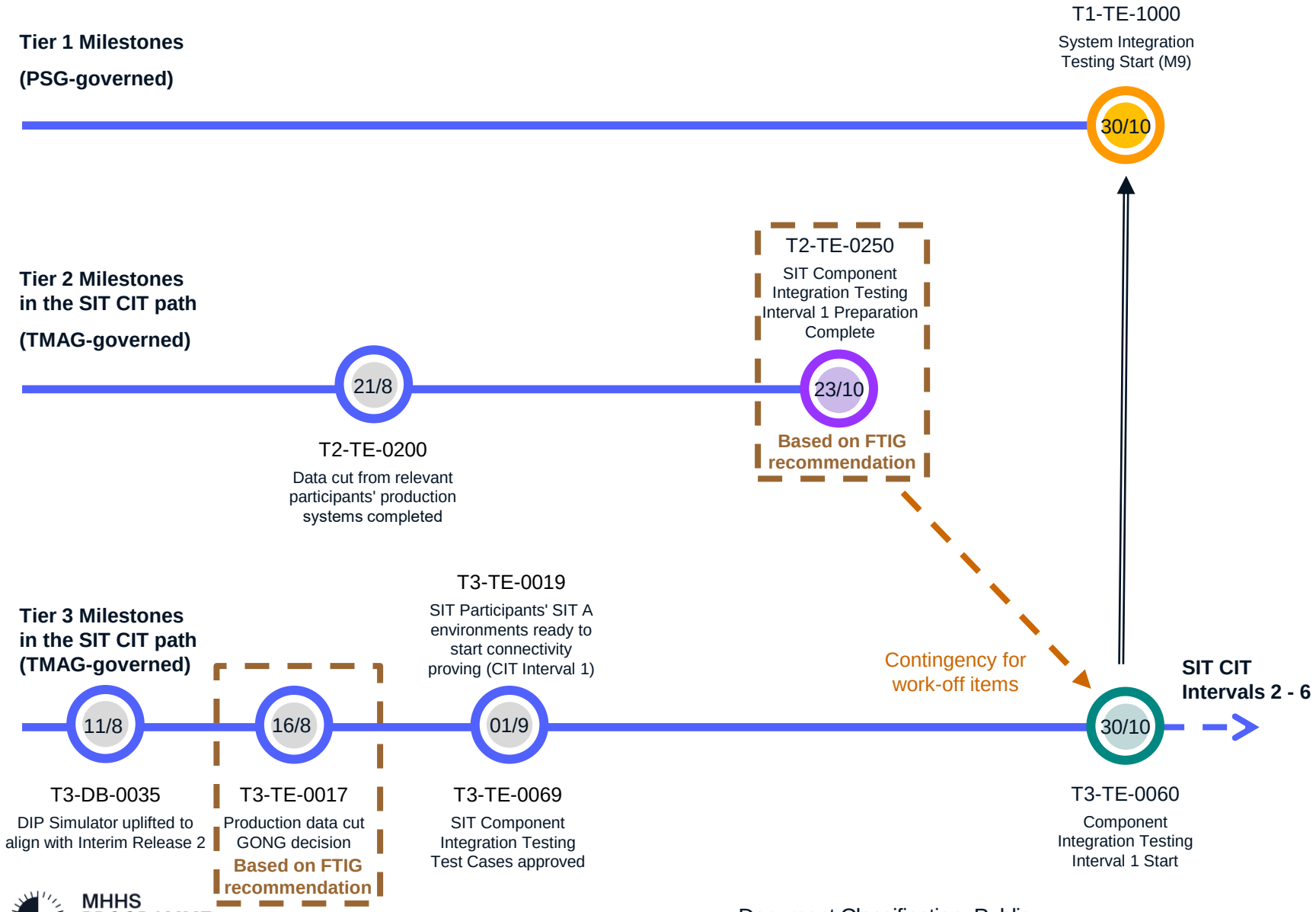
SIT CIT Readiness

Activity / Milestone	Notes	CIT Interval 1	CIT Interval 2	CIT Interval 3	CIT Interval 4	CIT Interval 5	CIT Interval 6
		DIP, VAS, Settlement Operations, LSS, MDS	DTN, MPRS (Drop 1)	Smart Data Services, Advanced Data Services	Metering Services	Suppliers, Network Operations, UMSO	MPRS (Drop 2) DSP, CSS, EES, UMSDS
SIT CIT Start	**CIT Interval 1 Start = PSG Milestone (M9)**	**30th Oct 23**	**13th Nov 23**	**27th Nov 23**	**11th Dec 23**	**15th Jan 24***	**29th Jan 24**
SIT CIT Ready to Start (TMAG Milestone)	TMAG Milestone - 1 week prior to CIT Start for each CIT Interval	23rd Oct 23	6th Nov 23	20th Nov 23	4th Dec 23	8th Jan 24	22nd Jan 24
DIP Onboarding Complete		13th Oct 23	20th Oct 23	10th Nov 23	24th Nov 23	8th Dec 23	8th Dec 23
SI Overarching CIT Test Readiness Report reviewed by SITWG / IPA	• 5 working days for review	13th Oct 23	3rd Nov 23	17th Nov 23	1st Dec	5th Jan 24	19th Jan 24
Interval Participants ready to commence DIP Onboarding		9th Oct 23	16th Oct 23	30th Oct 23	13th Nov 23	27th Nov 23	4th Dec 23
SI Issues Overarching CIT Test Readiness Report	• SI releases report 2 weeks prior to 'SIT CIT Ready to Start' milestone for CIT Interval 1, allowing for review and mop up ahead of PSG (M9) • SI releases iterated report 1 week prior to 'SIT CIT Ready to Start' milestone for CIT Intervals 2-6	6th Oct 23	27th Oct 23	10th Nov 23	27th Nov 23	18th Dec 23	15th Jan 24
PP CIT Test Readiness Reports Assured by SI	5 working days for review	6th Oct 23	27th Oct 23	10th Nov 23	24th Nov 23	15th Dec 23	12th Jan 24
PPs Issue CIT Test Readiness Reports		29th Sep 23	20th Oct 23	3rd Nov 23	17th Nov 23	8th Dec 23	5th Jan 24
Test Data Load and Verification Complete	Period of 4 weeks prior to PP CIT Test Readiness Report	29th Sep 23	20th Oct 23	3rd Nov 23	17th Nov 23	8th Dec 23	5th Jan 24
MHHS code deployed to SIT PPs' envs	Period of 2 weeks prior to PP CIT Test Readiness Report	29th Sep 23	20th Oct 23	3rd Nov 23	17th Nov 23	8th Dec 23	5th Jan 24
Internal Environment Connectivity Proving Complete		15th Sep 23	6th Oct 23	20th Oct 23	4th Nov 23	24thNov 23	8th Dec 23
SIT PPs' envs ready to start Connectivity Proving – Part 1 (Internal connectivity)		1st Sep 23	22nd Sep 23	6th Oct 23	20th Oct 23	10th Nov 23	24th Nov 23
PP Final PIT Completion Reports assured by SI	5 working days for review	6th Oct 23	27th Oct 23	10th Nov 23	24th Nov 23	15th Dec 23	12th Jan 24
PPs Issue Final PIT Completion Report	Final report allowing for any test completion delta	29th Sep 23 (No later than**)	20th Oct 23 (No later than**)	3rd Nov 23 (No later than**)	17th Nov 23 (No later than**)	8th Dec 23 (No later than**)	5th Jan 24 (No later than**)
Draft PIT Completion Reports assured by SI		29th Sep 23	20th Oct 23	3rd Nov 23	17th Nov 23	8th Dec 23	5th Jan 24
PPs Issue Draft PIT Completion Report	As a rule of the PPs to complete report to be submitted no later than 15 working days before the planned end of test execution	8th Sep 23 (No later than**)	29th Sep 23 (No later than**)	13th Oct 23 (No later than**)	27th Oct 23 (No later than**)	17th Nov 23 (No later than**)	1st Dec 23 (No later than**)

Note 1 – *There is an extended period between CIT Intervals 4 and 5 allowing for the Xmas and New Year period. Some readiness dates have also been adjusted according for CIT Intervals 5 and 6.*

Note 2* – *SI Test Team will agree timelines for prior PIT deliverables with individual SIT PPs in line with their delivery plans, allowing for test assurance activities in the lead up to SIT*

REMINDER: Overview of Decision Choreography and High-Level Criteria



To approve T1-TE-1000
Control Point 2 approved
Readiness Assessment 3 acceptable
IPA report supportive
FTIG recommendation
TMAG T2-TE-0250 and T3-TE-0060 decisions reviewed

These are indicative criteria
(details to be reviewed and agreed by PSG)

To approve T2-TE-0250	
SI	**PPs**
Designs assured	Environments in place
Delivery plans assured	Test data in place
PPs' PIT assured (IR2)	PKI certificates in place
Test tools in place / primed	Defect management understood
FTIG recommendation	
Resources in place and trained on ways of working	
Readiness forecast for CIT Intervals 2 to 6 starts is satisfactory	
Readiness forecast for SIT Functional start is satisfactory	

Details being worked through per timetable on slide 10

To approve T3-TE-0060
T2-TE-0250 approved by TMAG (fully or conditional on work-offs before T3-TE-0060)
Any work-off items from T2-TE-0250 complete and TE-TE-0060 fully approved or T3-TE-0060 approved based on agreed work-off plan
Decision to start CIT Interval 1 is contingent on PSG M9 approval

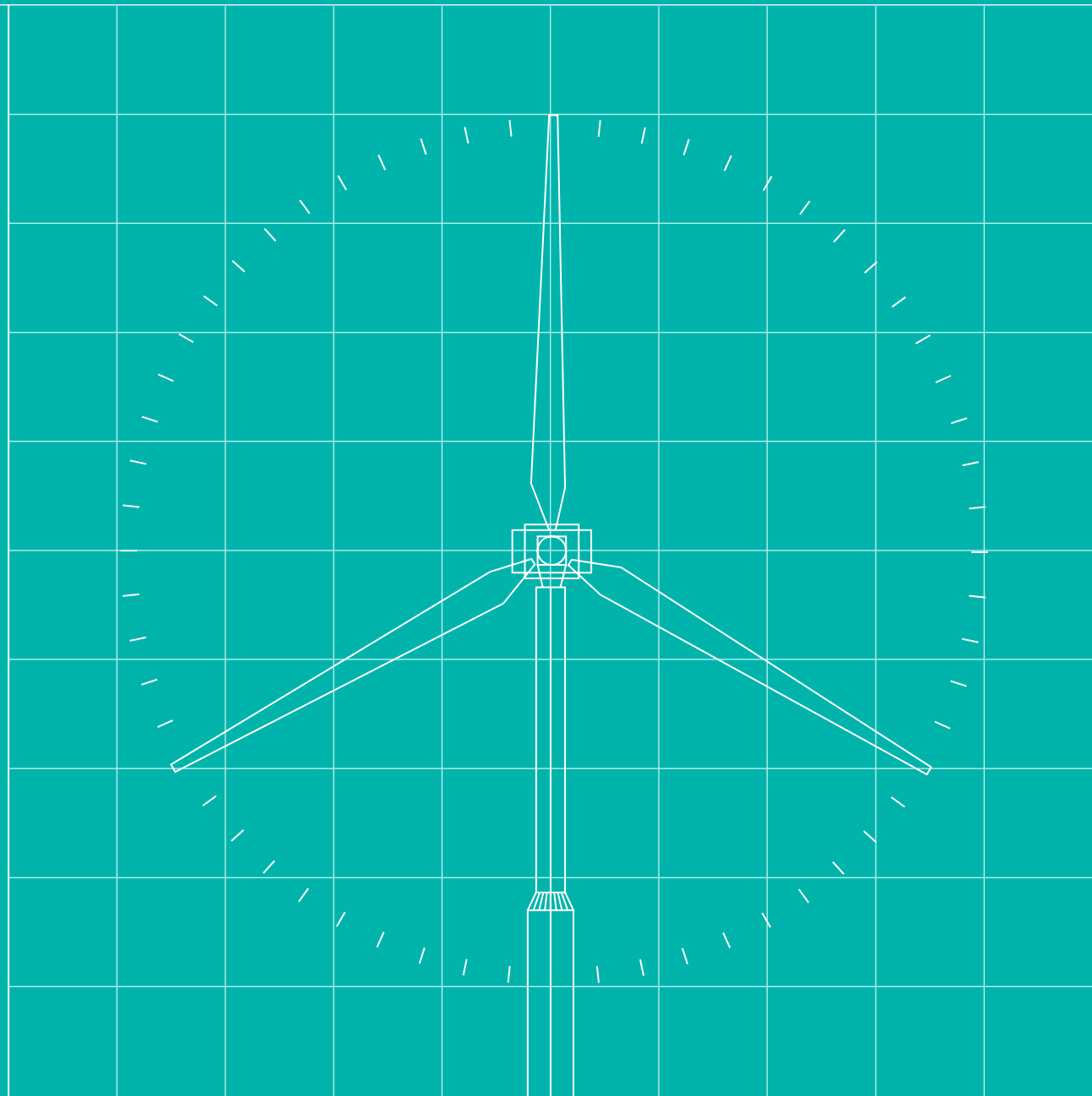
Details being worked through per timetable on slide 10

Qualification Testing

INFORMATION: Updates from Code Bodies on progression of qualification testing, including risks, dependencies, and any matters for PSG awareness

Elexon (Oliver Meggitt) & RECCo (Jonny Moore)

15 mins



Document Classification: Public

MHHS QUALIFICATION

Oli Meggitt – Elexon Head of Assurance
Jonny Moore – RECCo MHHS Delivery Manager

ELEXON

Agenda

- Introduction to Qualification
- Timeline
- Qualification Testing tranches
- Qualification Approach & Plan
- Qualification Assessment Document
- Placing Reliance Policy
- Key Risks and Dependencies

ELEXON

Qualification Overview

- MHHS Qualification – risk-based approach to assess if Participants have appropriate systems, processes and control in place – for BSC and REC requirements

- SIT Equivalence – developed by Programme and requires scope of testing for SIT Participants to align with testing requirements for Non-SIT Participants to avoid additional testing. Requires Code Bodies to:
  - Review and provide feedback on SIT deliverables during the development phase, to ensure scope of SIT covers all risk areas identified for Code Body Qualification and identify any gaps to be plugged; and
  - Consider SIT requirements when determining the scope of Qualification Testing.

- MHHS Programme does not deliver Qualification activities
  - Responsibility sits with BSCCo and RECCo

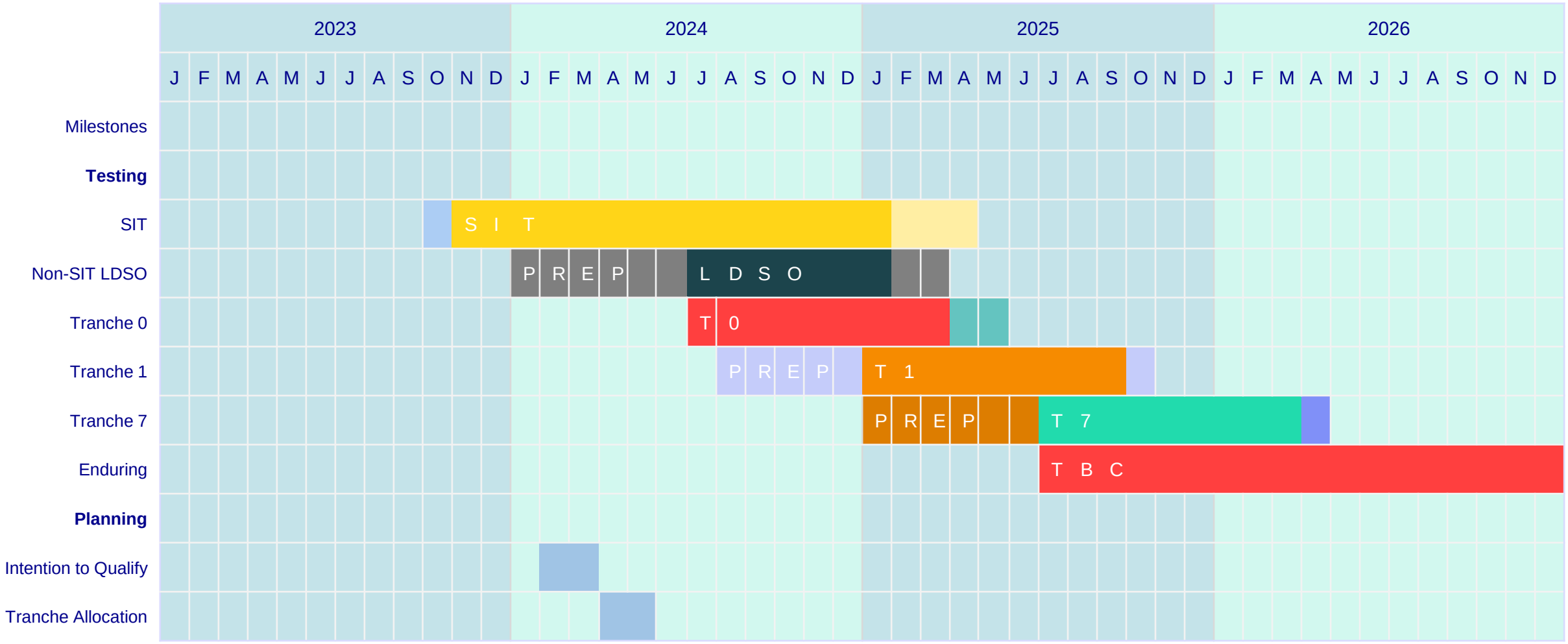
- Jointly developing Qualification process
  - In consultation with Participants, via Qualification Working Group with governance approval via TMAG and BSC/REC PABs

- Participants must complete MHHS Qualification to operate
  - **LDSOs** – Qualification needed to support migration start – by M10 (07 Mar 2025)
  - **Suppliers** – Qualification needed to accept Metering Systems – by M14 (16 Mar 2026)
  - **Agents and MEMs** – aim to complete by M14 in line with MHHS Qualification timetable, to support migration

Route	Entry Req's*	MHHS Qualification		
SIT Participants	PIT DBT1 Completion (reviewed by MHHSP)	**SIT** (reviewed by MHHSP)	Security and Organisational Controls Evidence (Developed by Code Bodies)	DBT 2 PIT if required to meet Code Body requirements**
Non-SIT Participants	PIT DBT1 Completion (reviewed by Code Bodies)	**QT** (accountability of Code Bodies but dependent on SIT development)	Security and Organisational Controls Evidence (Developed by Code Bodies)	DBT 2 PIT if required to meet Code Body requirements**

** Programme Participants will also need to connect to the test environments as noted in the Environment Approach and Plan; details will be provided in further iterations of the QA&P.*
*** Limited to requirements within scope of the BSC and REC*

Timeline



ELEXON

Tranche Approach for SIT-Equivalent Testing

Considerations

- **To determine SIT-Equivalent Qualification tranches, Code Managers will ensure the approach is:**
  - Fair and non-discriminatory
  - Supportive of a mixed eco-system during transition
  - Taking Participant readiness into account
  - Recognising Participant preferences (e.g. group companies together or separate depending on resources)
  - Considerate of Code Body resources

High-level Overview

- **Intention to Qualify:** Code Bodies will require Participants to assert their intention.
- **Tranche Allocation:** Code Bodies will allocate tranches on a first-come, first serve basis. Will consider the Participant's tranche preference, and maximum permissible tranche size. Min. 6 months before tranche execution.
- **Participant Readiness:** Tranches confirmed 2 months ahead, will consider Participant's Readiness Assessments reports and PIT progress - determine readiness for SIT-Equivalent Testing.
- **Tranche Dropouts:** If Participant drops out of allocated tranche during testing, Code Manager cannot guarantee a space in another tranche. Will re-assess based on tranche capacity.

ELEXON

Qualification Approach & Plan

- **The QA&P outlines:**
  - The purpose of Qualification during the MHHS Programme
  - The high-level plan and requirements for Participants in relation to the BSC and REC

- **As Code Bodies responsible for MHHS Qualification:**
  - BSCCo and the REC Code Manager worked together - joint approach
  - Continue to work closely for the duration of the MHHS Programme

- **Further updates to the QA&P:**
  - Made when MHHSP release further information on SIT Approach and Plans.

Current Version	Future Iterations
Purpose and Principles	DIP Onboarding interactions
Qualification Routes	Service Activation
Scope of MHHS Qualification	QT requirements (developed from SIT)
Roles and Responsibilities	Placing Reliance process
Qualification Planning	QAD timeline
High level Qualification Evidence	Summary of more detailed QAD requirements
Qualification Approval	

Qualification Assessment Document

- **The QAD will set out:**
  - Detailed evidence required for MHHS Qualification

Iteration	Programme Dependencies	Expected Dependency Date	Expected Approval from TMAG and PABs	Expected QAD Issue Date
Outline	SIT Requirement to Test Traceability Matrix	Summer 2023	Autumn 2023	**October 2024**
Baseline	SIT Functional Test Scenarios and Test Cases	November 2023	January 2024	**January 2024**
Final Version	Start of Code Drafting Mop-Up Consultation, plus final version of the QA&P	February 2024	May 2024	**May 2024**

Subject to re-planning with MHHSP

- All Participants are required to complete the QAD
- Provide supporting evidence for assessment

- BSCCo and REC Code Manager assesses if Participant have met MHHS Qualification requirements
- Thereafter, Participant is able to be registered or appointed to MHHS migrated metering points

Organisation-specific sections:	Company Information
	Programme Governance
	Change Management
	Info. Security Arrangements

Role-specific sections:	Operational Solution
	Technical Solution
	Processes and Controls
	Testing Requirements and Evidence

ELEXON

Placing Reliance Policy

Purpose

- Participants use 3rd party providers to deliver technology components, have common solutions to other Participants
- Participants may wish to split responsibility and place reliance on testing done by service providers or Participants
- Code Bodies need to ensure that appropriate assurance is obtained over the ability of every Participant to meet MHHS Requirements

Policy

- A high-level Placing Reliance Policy was developed by the MHHS Programme in Consultation with the Code Bodies
- Policy has been approved by TMAG and the BSC and REC PABs

SIT

- The MHHS Programme have outlined the specific criteria and process for SIT Participants to place reliance in the Placing Reliance Policy
- The specific interaction with Code Bodies will be published in a future iteration of the QA&P

QT

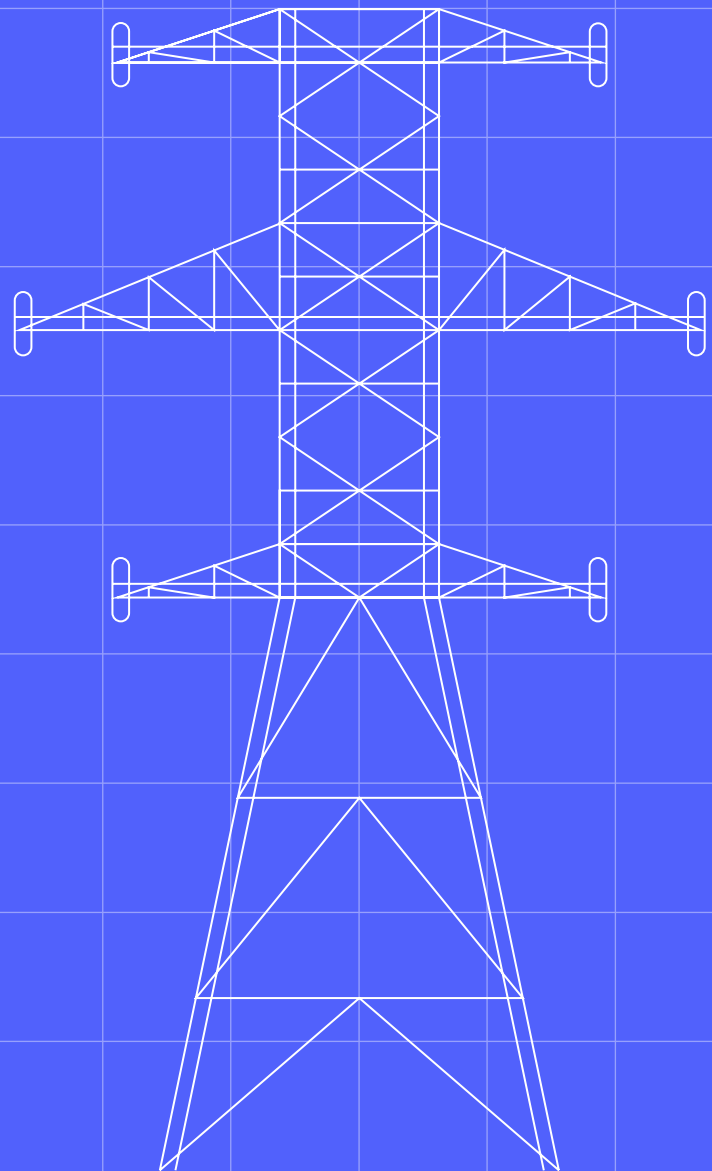
- Participants will need to include the details of how they plan to place reliance in their Intention to Qualify submission
- The specific criteria and processes for placing reliance will be published in a future iteration of the QA&P

ELEXON

Key MHHS Qualification risks and dependencies identified by Elexon and RECCo

- Dependency on SIT Approach and Plan iterations (Migration, Non-Functional and Operational) mean that final QA&P document will be published on 31 July 2024 which is past the start of Non-SIT LDSO Testing.
  - Ongoing discussions with the Programme on how the risk to Non-SIT LDSO Testing (and other PP testing) can be mitigated.
- Delay to Programme delivery of the Requirements Test Traceability Matrix impacts timescales for code body delivery of the QAD. Development is ongoing. However, industry engagement and TMAG / PAB approval timefames will be reassessed when product delivered. Risk that delay to other required SIT deliverables (e.g. SIT Functional Test Cases) will impact planned timescales later QAD iterations.
  - F2F planning session requested with Programme to understand when SIT deliverables will be provided.
- Availability of MPRS software to support Non-SIT LDSO PIT and Qualification Testing is unclear. These phases of testing commence whilst SIT Functional is ongoing.
  - Engagement underway with LDSOs and Programme to understand LDSO test plans and agree approach.
- Code Body agreement on roles and responsibilities for Qualification Testing execution
  - Constructive discussions ongoing with Elexon, RECCo and DIP Manager with the expectation that this will be clarified within the next month.
- Code Bodies require access to a UIT environment that supports testing of both Level 1 / 2 validation by the DIP and Level 3 / 4 business rule validation by the Registration Service and BSC Central Systems.
  - Ongoing discussions with the Programme on how these requirements can be met e.g. provision of a UIT environment integrated with the Registration Service and BSC Central Systems or provision of appropriate test harnesses such as a Registration Service emulator.

Control Point 2



INFORMATION:
Update on Control Point 2

Programme (Keith Clark)

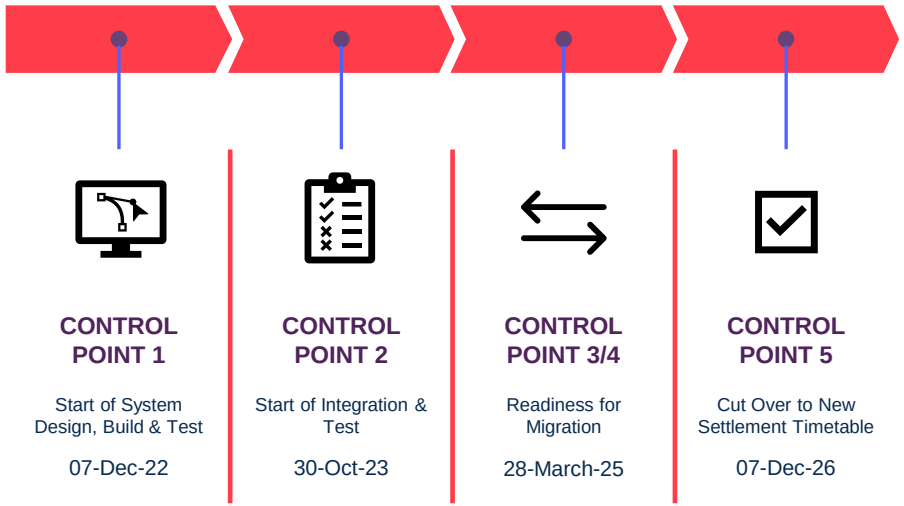
5 mins

Document Classification: Public

Control Point 2

- Control Point 2 will assess the health and fitness-for-purpose of the Programme as it goes into its next major phase (SIT)
- The Control Point 2 process will exactly follow the preceding Control Point 1 process
- MHHSP team is conducting health checks of multiple dimensions of the Programme through Health Indicators
- The Programme will report on the findings of those health checks and any key themes
- The Programme will review and refresh key strategic Programme documents including the PID
- On the basis of the above, the SRO will make a decision to Continue, or Conditionally Continue, or to Stop the Programme in support of the M9 decision
- The IPA will be engaged through this process and will provide PSG with a review of the Control Point 2 report to support the M9 decision

Schedule

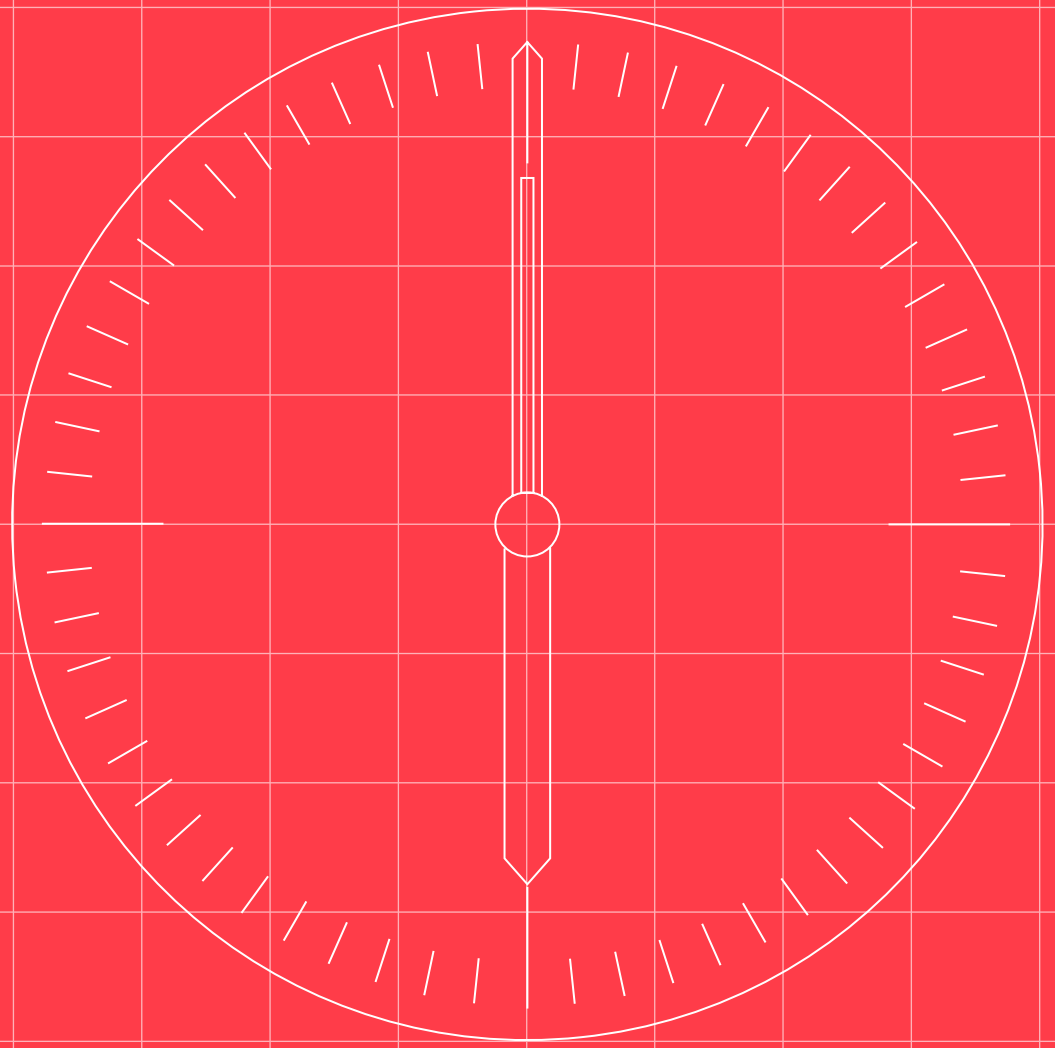


Decision Options

Overall Programme decision

Decision	Meaning	Implications of recommendations
Continue	The Programme has satisfactorily delivered the previous phase and is set up to successfully deliver the next phase to the required standard	Recommendations are small-scale and not likely to require significant changes via Change Control
Conditional Continue	There are issues that need to be addressed before part or all of the Programme can continue	Recommendations must be addressed. Some recommendations may require a Change Request to go through PSG
Stop	The Programme is formally stopped – and is likely to be disbanded	Significant implications to be reviewed with Elexon Board (sits above Programme Change Control process)

SASWG Status Update



INFORMATION: Updates on progress of Settlement Analysis Scoping Working Group (SASWG)

Programme (Chris Welby)

10 mins

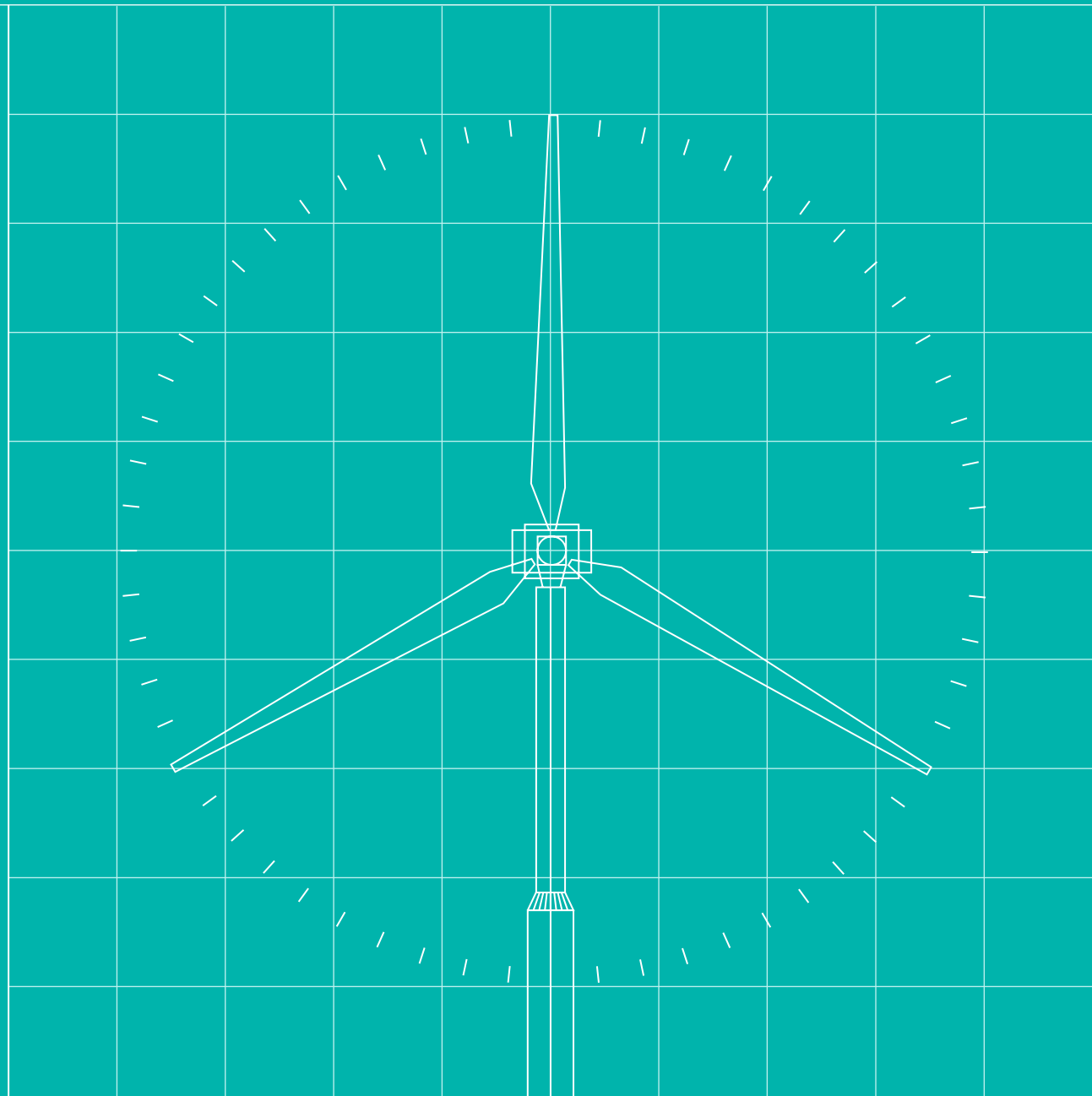
The SASWG was originally due to present its report to PSG in September, however, this will now be presented to October's PSG as an additional working group has been needed to finalise the report.

To date, four meetings have been held with >30 attendees at each meeting and the draft report is nearing completion.

The primary reason for the delay is some parties required more time to establish cost information for the report and the source of required data. There was also a late consideration as to whether there was a consequential impact from CR18 that needed to be included.

The final report is on track for October's PSG.

Delivery Dashboards



INFORMATION: Questions from PSG members on delivery dashboard content

Chair

15 mins

Document Classification: Public

Delivery Dashboards Overview

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

Risk theme 1: Commencing and completing SIT as planned

RAID (1 of 3)
Updated to 25/08/2023

Theme	Summary	Mitigation Approach Overview	RAG Status	
Commencing and completing SIT as planned	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	• 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 • Strong liaison with Code Bodies on Qualification requirements that drive SIT requirements	**Previous RAG**	**Amber (20 Risks)**
			Current RAG	**Amber (27 Risks)**

Key Risks

Risk ID	Risk Description	Risk Score Assessment (Critical 30–25 · High 24–17 · Medium 16–9 · Low 8–1)	Current score movement since last PSG	Mitigation Plan
R272	There is a risk that Core Capability Providers may be late arriving into their CIT Interval	C, I → T	No change	1. Design, Delivery and Test Assurance + tracking of PPs on-time delivery of PIT plans, RTTMs 2. Fast Track Implementation Group (FTIG) and PSG monitoring of participants' delivery progress and managing of obstacles to readiness (inc. deep dives for those who are higher risk) 3. Staggered approach 4. Account management meetings 5. CIT readiness criteria spreadsheet signed off by TMAG and will be monitored weekly by Test team
R273	There is a risk that SIT MVC participants may have to be dropped from SIT participation prior to Component Integration Testing (CIT) commencement, if they have not reached a sufficient point of progress in their independent DBT activities, do not meet criteria for SIT entry OR decide not to participate after all	I → C → T	No change	1. Contingency in the list of expected SIT volunteers - need to target additional SIT participants where there is low contingency 2. Set up of FTIG - PPs reporting blockers 3. Challenging plans via account management and bilaterals 4. Assurance of SIT volunteers and deep diving into certain responses 5. Staggered approach
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	I, C → T	New item	1. The current duration has been sense-checked comparable with an implementation of this scale and complexity 2. Detailed bottom-up estimate followed based on coverage and scenarios being produced over next quarter following the M5 design baseline (modelling approach for estimates) 3. Estimates validated in parallel with Round 3 and in preparation for the CR for the replan 4. As SIT scope and scenario coverage is developed SIT working group and approved by TMAG, estimates will be refined and validated 5. Can assess post test case creation and approval 6. Need to work with Design team on logical sequence of Test execution
R432	There is a risk that new Change Requests have a material impact on the baseline design	I, C → T	No change	1. Manage Change Requests and understanding their impact on Design
R119	There is a risk that participants may constrain testing by providing too few environments	I → C → T	No change	1. Environment approach and plan published specifying instructions for PPs - approved in February TMAG 2. Monthly Environments Working Group (EWG) – standing item for PPs to raise concerns 3. Monitoring each Test phase during SIT stages

Key	
I	Initial Score
C	Current Score
T	Target Score

Risk theme 2: Commencing and completing Migration successfully

RAID (2 of 3)
Updated to 25/08/2023

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 anc completing Migration and how the Programme is planning to mitigate these to stop these risks from converting into issues	• Some of the existing risk factors around M10 / M11 will be mitigated by the findings throughout SIT Testing, which will evaluate assumptions, demonstrate to the Programme the areas which require attention and allow the Programme enough time to make the changes necessary for M10 / M11 success • The Migration Design, the Migration Cutover & Data Strategy, the Data Cleanse Plan and ongoing Code Drafting will also give Participants necessary materials to prepare for M10 / M11	**Previous RAG**	**Amber (20 items)**
			Current RAG	**Amber (17 Items)**

Key Risks

Risk ID	Risk Description	Risk Score Assessment (Critical 30–25 · High 24–17 · Medium 16–9 · Low 8–1)	Current score movement since last PSG	Mitigation Plan
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, which would not leave enough time to migrate a large portfolio before the M15 deadline	C 18, I 17 → T 6	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 – for any Supplier that is in Tranche 7 of Qualification, there is still planned to be over 6 months to migrate MPANs 3. Any incentive regime for Migration will be a matter for Ofgem not the Programme
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	I 14, C 13 → T 3	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
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	C 15, I 14 → T 7	No change	1. The potential for incentives for completion of Migration has been raised with the Programme, but this would require further discussion with Ofgem 2. Ongoing tracking of suppliers' delivery plans and progress through PPC bilateral meetings and account management 3. Programme to create a Migration Control Centre which will create a robust plan, factoring in Qualification timings, size of suppliers' portfolios etc. (end 2024)
R380	Risk that DNOs/iDNOs may not participate in the non-SIT/Qual LDSO testing (run by Qualification) or complete it in time	I 19 → C 11 → T 6	No change	1. Current view of the programme is DNOs/IDNOs are very aware of testing requirements and placing reliance policies are being used for coverage for testing 2. Lots of engagement, awareness and traction with LDSO community so believed to be low probability but will be kept monitored until LDSO testing is more firmed up. RA3 will take a temperature check on readiness too
R653	There is a risk that the Code Bodies will not be able to define the Qualification test approach & requirements for each Market Role for non-SIT LDSO testing in a timely manner. This will place at risk the ability to define the environment requirements to support non-SIT LDSO Qualification Testing being agreed in time for approval at the November TMAG.	I 10, C 9 → T 2	New item	1. Collaborative work between the Programme and Code Bodies to progress Qualification definition. 2. Code Bodies define the approach to testing each of the market roles for LDSO Qualification testing such that it is possible to determine the test environment requirements

Key	
I	Initial Score
C	Current Score
T	Target Score

MHHS PROGRAMME
Industry-led, Elexon facilitated

Risk theme 3: Test data management prior to, and during SIT

RAID (3 of 3)
Updated to 25/08/2023

Theme	Summary	Mitigation Approach Overview	RAG Status	
Test data management prior to, and during SIT	Test data management is a critical element both prior to and during SIT, ensuring test data is prepared in sufficient time for SIT, both from a PP and Programme perspective as well as handling of data that passes through MHHS systems	• Mitigations prior to SIT for this theme include: ○ Programme DPIA complete ○ 19th August 2023 SIT data cut complete ○ Upcoming deadline communicated to SIT PPs (25th August 2023 for Data Sharing Agreements signed) ○ Data cut will be constrained to SIT volunteers and only the c.4 million MPANs of the two DNOs volunteering ○ Programme working to provide Sample Test Data files and ISD to PPs by the end of August	**Previous RAG**	**Amber (6 risks)**
			Current RAG	**Amber (6 risks)**

Key Risks

Risk ID	Risk Description	Risk Score Assessment (Critical: 30–25; High: 24–17; Medium: 16–9; Low: 8–1)	Current score movement since last PSG	Mitigation Plan
R040	There is a risk of data breach / loss of data / data shared with incorrect market participants (both test data and live data)	I: 14, C: 9, T: 8	-1 (9 to 8)	1. No consumption data for domestic consumers will be used 2. Communications – no real MPAN numbers will be used (PPs agreed with this approach) 3. Overarching Test Data Approach & Plan and SIT data plans outlines data protection measures (sFTP for data sharing and PKIs for test execution) 4. MHHS GDPR champion appointed 5. Separated sFTP containers created per market participant / market participant role to avoid incorrect access and data transfer
R622	There is a risk in the ability for participants to ingest augmented data for testing	I: 9, C: 8, T: 5	New item	1. PPs to receive sample files by the end of August to check the ability to load test data 2. Programme to propose proof of concept with CCPs - likely October 2023
R181	There is a risk that more "manufactured" data than anticipated in the Overarching Test Data Approach & Plan must be used in SIT, resulting in an additional resource need or additional cost, and potentially more defects found	I: 15, C: 10, T: 7	No change	1. Current manufactured data estimation is manageable, per the Test Data Approach & Plans 2. As the two DNOs who have volunteered for SIT account for around c.4 million MPANs, it is likely to contain the variety of data needed to cover our Test Scenarios 3. Any additional manufactured data will likely be needed for SIT Functional only, rather than CIT (to be aligned with Migration / Data Cleanse Plan) 4. MHHS received EES data cut and is analysing it to check data variety
R501	There is a risk of participants not providing data for SIT	I: 23, C: 13, T: 8	-3 (16 to 13)	1. Data cut reduced to SIT volunteers and only consisting of the c.4 million MPANs of the two DNOs who have volunteered – so a smaller data cut for PPs to provide 2. First data cut completed 19th August 2023 from PPs. MHHS to send first block of data back to PPs by 15th September 2023. 3. RECCo and Elexon-Helix sent EES data and ISD 4. MHHS need to monitor abilities of PPs to upload their data cut to the Test environments

Key	
I	Initial Score
C	Current Score
T	Target Score

Change Request Status

Change Control
Updated to 31/08/2023

Ref.	Key Detail	Change Raiser(s)	Change Type	Latest Action	Approval Status	Current Stage in Change Control	Action *If approved*	Implementation date/milestone	Change Owner(s) *If approved*
CR019	Replacement of D0242/D0315 for MHHS	Peter Waymont & Neal Medley, Eastern Power Networks	Full Impact Assessment	Approved by DAG (12/04/23)	**Approved**	Implementation	To be implemented in Design Release 5	IR5 (Oct-23)	Paul Pettitt, MHHS Programme
CR022	MHHS Programme Re-plan	Lewis Hall, MHHS Programme	Full Impact Assessment	Ofgem Approved (08/06/23)	**Approved**	Completed	Publish artefacts on Collaboration Base	-	Giles Clayden, MHHS Programme
CR023	Standardisation of Interfaces within the Smart and Advanced Data Services Roles	Haz Elmamoun, Engage Consulting	Full Impact Assessment	Impact Assessment completed (28/07/23)	**Open**	Awaiting DAG approval decision			Paul Pettitt, 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 Pettitt, 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 Pettitt, 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	Impact Assessment completed (27/07/23)	**Open**	Awaiting DAG approval decision			Paul Pettitt, MHHS Programme
CR028	EES and SDEP Requirements	Jonny Moore, RECCo	Full Impact Assessment	Impact Assessment completed (24/08/23)	**Open**	Awaiting DAG approval decision			Paul Pettitt, MHHS Programme
CR029	DIP LDSP Interface Processing	Rachael Prosser, NGED	Full Impact Assessment	Impact Assessment completed (24/08/23)	**Open**	Awaiting DAG approval decision			TBC
CR030	Introduction of Compressed Payloads into DIP Messages	Rob Golding, MHHS Programme	Full Impact Assessment	Impact Assessment completed (25/08/23)	**Open**	Awaiting DAG approval decision			TBC
CR031	Amending Transition Design Milestone Description and Delivery Date	Andrew Margan, MHHS Programme	TBC	Validated by Change Board (29/08/23)	**Open**	Awaiting DAG decision			TBC

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

SIT Status

SIT Status
Updated to 30/08/2023

Core Capability Providers	Status	Comment
Elexon (Helix)	**Amber**	PIT exit for M9 remains achievable but with minimal contingency and increasing risk. Re-work of plan based on PIT testing with DIP Simulator required. Confirmation received from Helix that IR1 and IR2 can be met; awaiting clarity on timing of 2 DINs in Jan-24 and potential impact (if any) on CIT testing
DIP	**Amber**	Design – all documents approved Build & test (PIT) for IR1 and IR2 on track for CIT start date Ongoing dialogue with MHHS team on a number of points inc (1) environment build dates (2) DIP's PIT exit date for IR2 (3) interface validation functionality
St Clements	**Amber**	Latest SCS plan shows additional sprints with later sprints at some risk of not meeting CIT interval 6 with adequate PIT assurance. Initial release for CIT Interval 2 has no contingency Solution to support CIT continues under MHHSP review
RECCo	**Green**	DBT plans for EES are on track to be ready for CIT Interval 6 as planned
DCC	**Amber**	MDR, CSS changes and capacity upgrades on track SI discussions progressing well on test environments / release management, defect management – conclusions on those matters should return status to green
ElectraLink	**Green**	ElectraLink requires confirmation of changes required to DTN Flows
LDP (SI)	**Amber**	Test deliverables approvals at TMAG continue. CIT and SIT Functional test scenarios and test cases delayed, but new dates agreed. Data – on track. Risk on DSAs approvals requested by or before 25-Aug

Constituency	Number of PPs confirmed for SIT (FTIG attendees)	Market Roles	Number of Market Roles required for SIT MVC	Number of Market Roles confirmed for SIT	Names of Participants (RAG – Green = confirmed, Black = TBC)
Supplier / Independent Agent	17	Advanced Data Services	2	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
Large, Medium, Small, I&C Supplier	10	Suppliers	2	10	British Gas, Belsize, E, Edgware, E.ON Next, Octopus, OVO, Rebel Energy, Unify Energy, Utilia
DNO, iDNO, LDSO	2	Network Operations	1	2	BUUK, SSEN
		UMSO	1	2	BUUK, SSEN
Managed Service Providers	8		n/a	n/a	C&C, ENSEK,, ESG, Kraken, SeaGlass, Utiliteam, Procode, Wheatley
National Grid (ESO)	1		*1*	*1*	National Grid (ESO)

MHHS - Monthly Delivery Report [St Clements]

Report Date: 24-08-2023

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

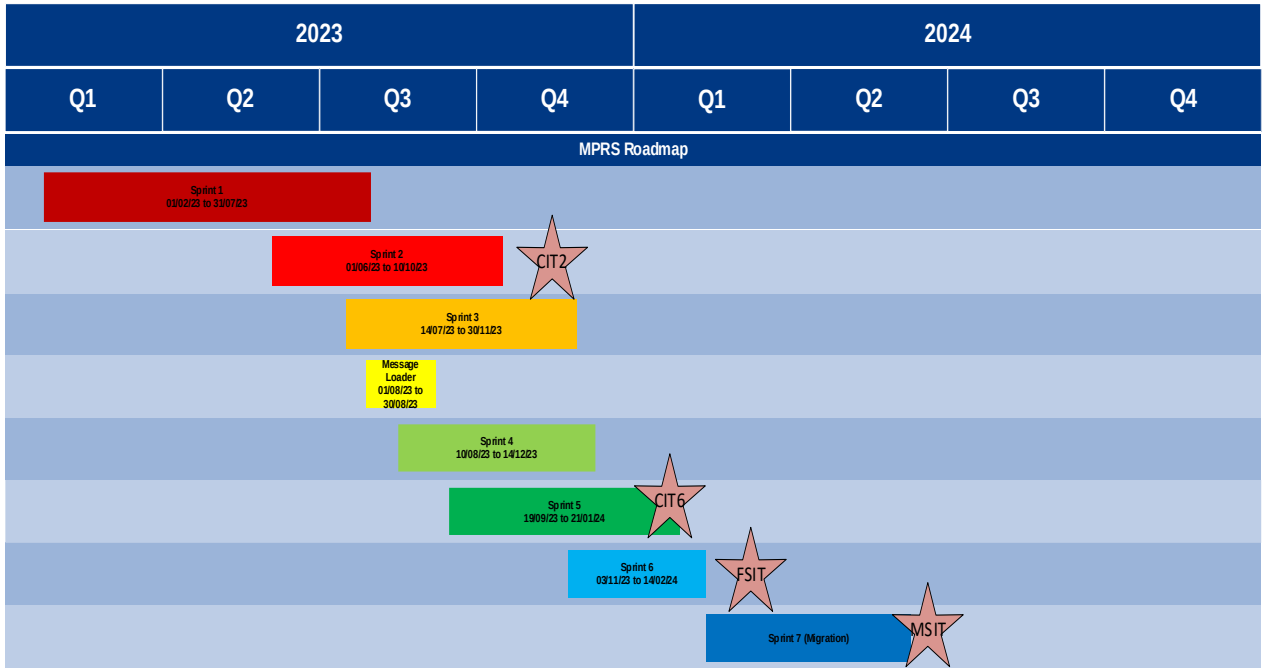
- Revised plan presented to PSG demonstrating functional delivery to programme milestones
- St Clements has sourced suitably skilled additional resource and DNOs have agreed to fund this resource
- Completion of Sprint 1
- Sprint 2 code received
- Submitted initial and amended PIT Approach document to programme
- Data sharing agreements in place between St Clements and BUUK/SSEN

Progress expected in the coming month:

- Test Sprint 2
- Continue working DIs into MPRS design
- Stand up DNO/iDNO MPRS environments for SIT
- Submit PIT Requirements Test Traceability Matrix and PIT Scenarios

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
MPRS ready for start of PIT interval 2	06-11-23	06-11-23
MPRS ready for start of PIT 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 for action to be resolved	Action owner
The Migration design uses production interfaces. When the detailed IA is performed it may show that the production interfaces approach would need rework	May require significant rework of code that will have completed functional SIT	Q1 2024	St Clements
Attending programme meetings, reviewing documentation and submitting reports diverts attention from delivering the MPRS development	PMO resource now in place to help mitigate this. We will look to meet programme assurance/documentation requirements but programme to consider minimum required. Focus is on MPRS functional delivery.	1 October 2023	St Clements
SCS changed its approach to provide multiple deliveries (rather than using waterfall approach) resulting in impact assessments not being completed for all changes until later in the DBT process. The resulting IAs could indicate more effort than the high level IAs indicate	23/8 - Sprint 1 & Sprint 2 code now delivered, and we have now replanned and adjusted timescales. Development and testing could take longer and therefore risk the milestones. Consideration given to reducing scope of testing	31 January 2024	St Clements
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.	31 January 2024	St Clements
Late design change could introduce rework of already developed code or could extend the time to deliver the MPRS changes	Cannot afford scope creep. Minimise any design change to MPRS. Consider implementing CRs later in the programme (post start of functional SIT)	28 February 2024	Programme
Ongoing issues with resolving non MHHS issues consume time of MPRS experts	Ongoing Faster Switching issues diverting resource from MHHS activities to resolving BAU issues. Forced to tolerate and manage	28 February 2024	St Clements
No registration service reports defined within the MHHS design.	The data for existing industry registration reports will no longer be available from MPRS. No reports have been defined in the MHHS design baseline. Any change to the scope will have an impact on the SCS development activity.	31 January 2024	Programme
Assumption & RAG	**Action required to remove assumption**	**Date for action to be resolved**	**Action Owner**
MPRS high level plan broadly remains the same following detailed IA	Detailed IA to complete	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 for action to be resolved**	**Action Owner**
Dependency on Programme to confirm decisions on above	Prompt responses and decisions required		



MHHS - Monthly Delivery Report [*DCC*]

Report Date: 25-08-2023

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- Production Data backup completed as per MHHS requirements on 19th August.
- DCC engaging with multiple prospective MDR parties – now totalling 11.
- Agreement reached on high-level approach to Data usage for SIT Functional Testing.
- Additional Programme requirements elaborations sessions taking place Sept'23.
- Release & Environment strategy discussed with the Programme.

Progress expected in the coming month:

- Address top risks/issues as described below and on slide #2.
- Continuation of DCC SIT Testing for MP162
- Second stage of SIT Functional Testing data prep to be initiated via detailed workshop to allow DCC to obtain cost/duration estimates from its' Service Providers.

Party Milestones & Deliverables	Original or ~~Baseline~~ Date	Forecast date & RAG
Ofgem approval	25-10-22	28-11-22
MP162 DBT complete	15-05-23	15-05-23
MP162 SIT complete	20-10-23	15-09-23
MP162 MDR UIT Start	04-12-23	17-07-23
MP162 Go-LIVE	20-06-24	20-06-24
MHHS Capacity uplift	20-06-24	20-06-24

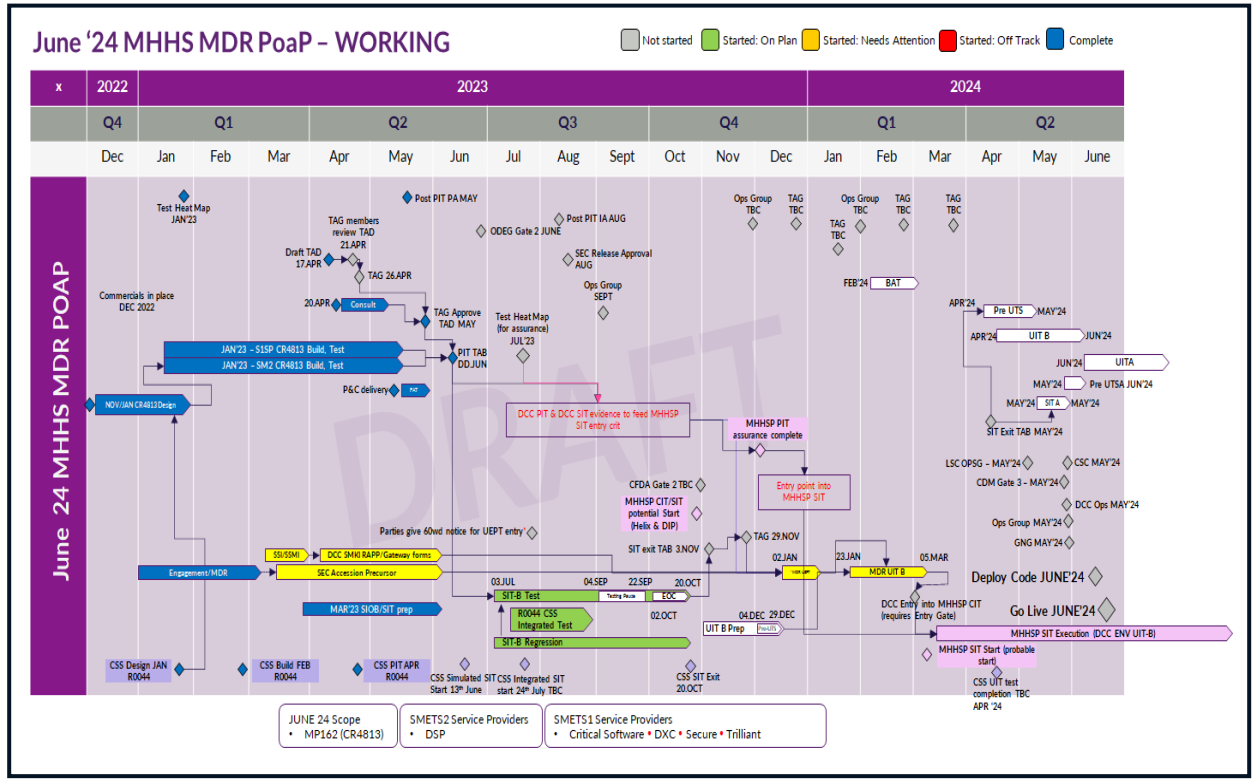
Decisions required	From whom?	By when?
None	n/a	n/a

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

I1. Testing Environments Requirement needs agreement between Elexon and DCC
I2. Test Data Requirements needs agreement between Elexon and DCC
I3. Defect Triage, Fix and Retest SLAs needs agreeing between Elexon and DCC
I4. Post June '24 Requirements for UIT B Environment needs agreement between Elexon and DCC
I5. Data cleansing requirements to support Migration activities.

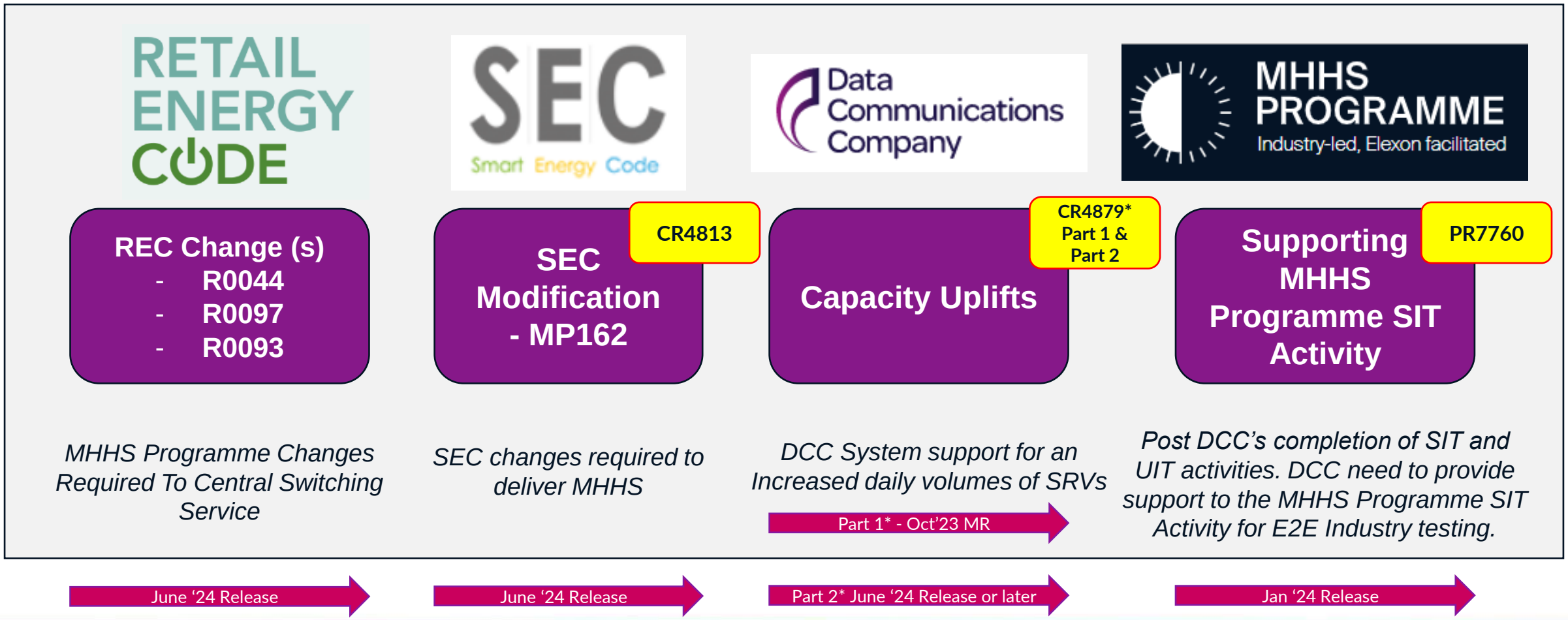
Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
None			

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
Agreement of the requirements to satisfy issues above to be managed via a detailed plan.	Collaborative workshops to define detailed requirements	End Sept'23	MHHSP/DCC
MPID test details to be shared with DCC ahead of DCC UIT testing, which is a pre-requisite to SIT Functional testing	Detailed list with role codes supplied to DCC Programme Team	End Sept'23	MHHSP



Risk or Issue & RAG	Mitigating or resolving action required	Action plan complete by date	Date for action to be resolved/impact	Action owner
1.Alignment between DCC and the MHHS Programme on testing/environments has yet to be reached. (Above SEC Requirements)	**WORKSHOP:** Understand the exact requirements from the MHHS Programme and agree where DCC is required to support the Programme.	29/09/23	29-09-23	DCC/MHHSP
2.Data-cut requirements are being investigated by DCC to support MHHSP SIT Functional Prep, requirements supplied by Elexon and Change request raised with DCC Service Providers	Deep dives into specifics of data elements based on scope with MHHSP Data team in conjunction with CSS and DCC. Initial requirements supplied by Elexon to support backup and retention of Production data. **COMPLETE**		19/08/23	DCC/MHHSP
3.The MHHS Programme requires that stringent defect management timings are maintained for MHHS implementation. This does not align to existing DCC SEC implementation processes.	**WORKSHOP:** Continue discussions with Elexon to understand the gaps regarding timings by comparing known DCC processes against the Elexon Testing Approach strategy.	29/09/23	14/03/24	DCC/MHHSP
4.Elexon require continuing availability of DCC UIT-B environments (SEC/REC) beyond the June 2024 SEC System Release date (27th June 2024). This has not been agreed with DCC via the proposed combined Governance framework and has resource, cost and environment implications as yet un-estimated.	**WORKSHOP:** Obtain baselined dates from the Elexon Programme, against which DCC can plan, cost and inform its SP's and Elexon on approach to support.	29/09/23	27/06/24	DCC/MHHSP
5. Elexon require Data cleansing to take place on all MHHS Parties to ensure the data is in the correct state prior to Live migrations initiating, which is due c.April 2025	**WORKSHOP:** Initial data cleanse approach for DSP/CSS reviewed by DCC SMEs. Number of concerns were highlighted to the MHHS Programme, all requiring changes that have been incorporated into the MHHS Programme Data Cleanse plan. (DEL1181). DCC to raise Change requests to service this requirement.	29/09/23	29/09/23	DCC/MHHSP

- The DCC changes form part of the wider Industry solution to deliver the Market-wide Half-Hourly Settlement (MHHS).



Change requests supporting MHHS	Descriptions	Completion date	Action owner
CR4813 (DCC CR that supports the SEC Modification MP162)	Creation of the new MDR role within the DSP systems and progressed by DCC and its Service Providers through Design, Design Assurance, Build, PIT, DCC SIT, User End Processing Testing (UEPT) and Testing Participant User Integration testing	09/02/2024	DCC/Service Providers
PR7742 (DCC PR that supports the Data Backup requirement)	Data backup and retention of both CSS (Faster Switching) and DSP (SMETS) data to support the Elexon SIT Functional testing stage	19/08/23	DCC/Service Providers
PR7760	(DCC) PR addressing MHHS Programme new requirements.	30/10/23	DCC/Service Providers/MHHSP
R0044 (CSS to DSP Interface changes)	Updating of existing interface with additional MDR data fields to support the new role and allow agent appointments to be made and support the change of supplier/agent Industry process. This will be testing across SIT/UIT.	09/02/2024	DCC/Service Providers
CR4879 (Capacity)	Infrastructure and Capacity uplift to support the increased network traffic modelled to allow the MDR Service Requests to be processed within SLA and ensure the Service to End Users is maintained	2024/2025	DCC/Service Providers
CR#### (For Data Cleanse)	Change request to support the Data Cleansing requirements as specified by Elexon to support the Migration activities planned for 2025	2024/2025	DCC/Service Providers/MHHSP
R0097 (Consequential change for CSS MDR appointments)	ERDS change asking them to make changes at their end to be ready to use the new 'tick box' when they want a message confirmation.	2025	RECCo
R0093 (Uplift to CSS Max demand volumes during MHHS migration period)	Ensuring there is sufficient capacity across the CSS systems to support the increase in Service Requests pertaining to the new MDR role. Currently with RECCo for final clarification of scope.	2025	RECCo

MHHS - Monthly Delivery Report [*RECCo*]

Report Date: 25-08-24

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- EES Core Build remains on track
- EES Pre-Integration Testing Approach and Plan approved
- EES API Technical Specification approved by RECCo and issued for consultation
- EES data cut completed 19/8, DPIA and Data Sharing agreements reviewed and signed
- EES PIT Environment prep complete
- DIA started with C&C for SIT (CIT) and SIT Functional phases
- Design Assurance Cohort 1 Bilateral held 22/8
- Registration Code Drafting updated following consultation and approved by CCAG 23/8
- Governance & Qualification, and Migration Code Drafting issued for consultation

Progress expected in the coming month:

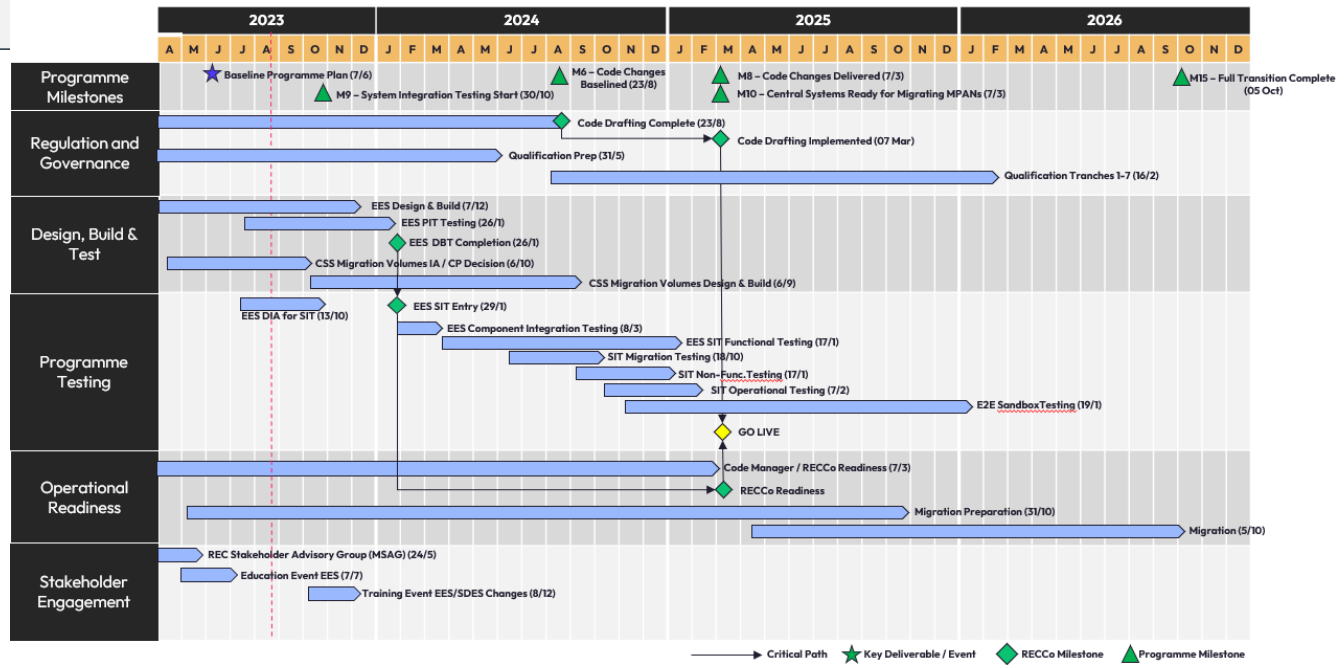
- EES Core Build to be completed
- Finalise DIA for SIT (CIT) and SIT Functional with C&C
- Complete industry consultation for Governance & Qualification, and Migration Code Drafting
- Finalise qualification testing roles, responsibilities and assumptions with Elexon
- Replan Qualification Assessment Document delivery dates given change to dates for dependent SIT artefacts in baselined plan. Programme to provide updated timelines.

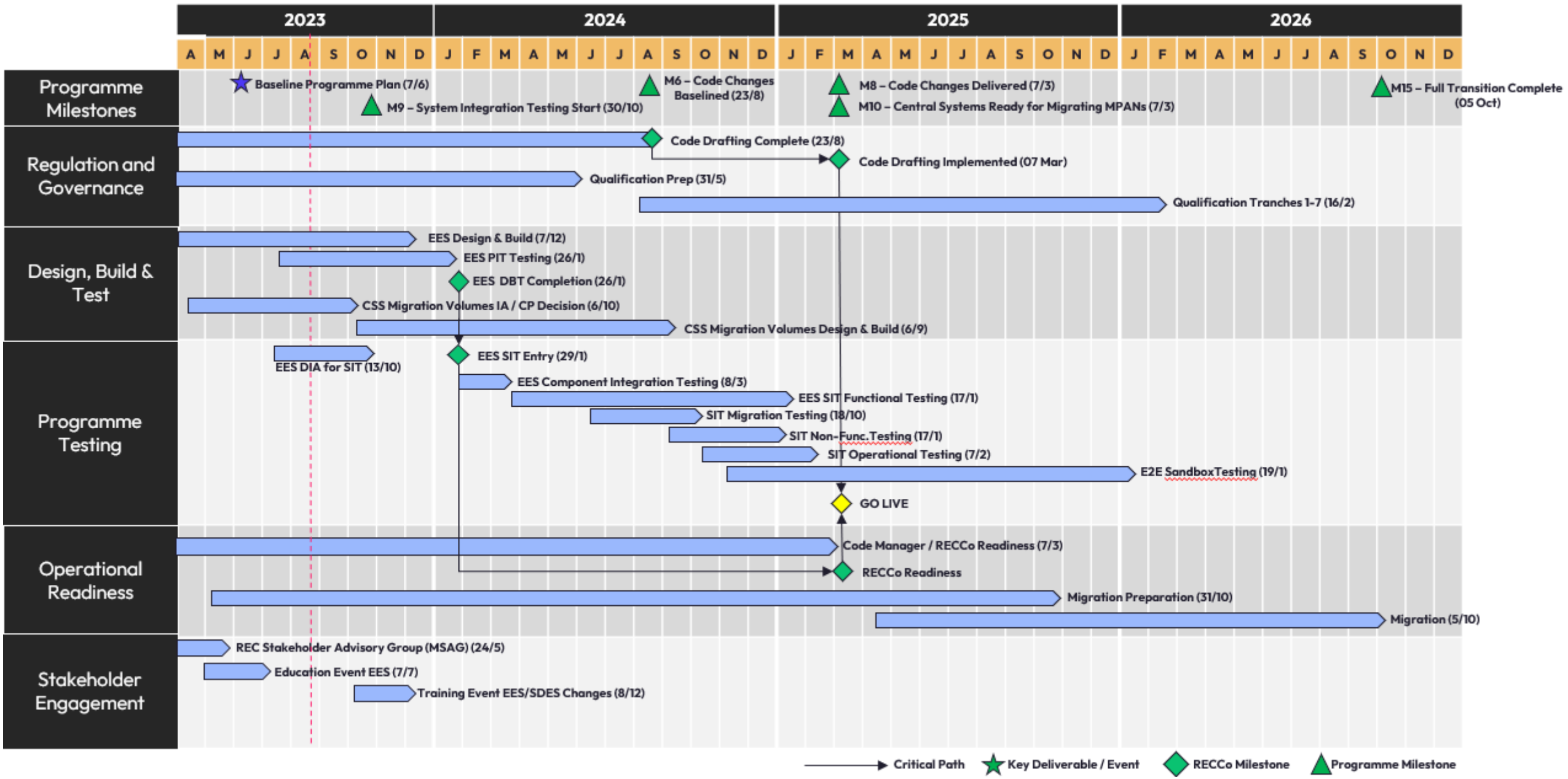
Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
Registration Code Drafting	23/08/2023	
Qualification Assessment Doc	31/08/2023	TBC
EES Core Build Complete	04/08/2023	12/09/2023
EES Ancillary Design Complete	05/09/2023	31/10/2023
EES Ancillary Build Complete	26/10/2023	7/12/2023
Qualification Approach & Plan v0.2 Issued	31/10/2023	31/10/2023
Gov/Qual, Interface/Data,	13/11/2023	13/112023

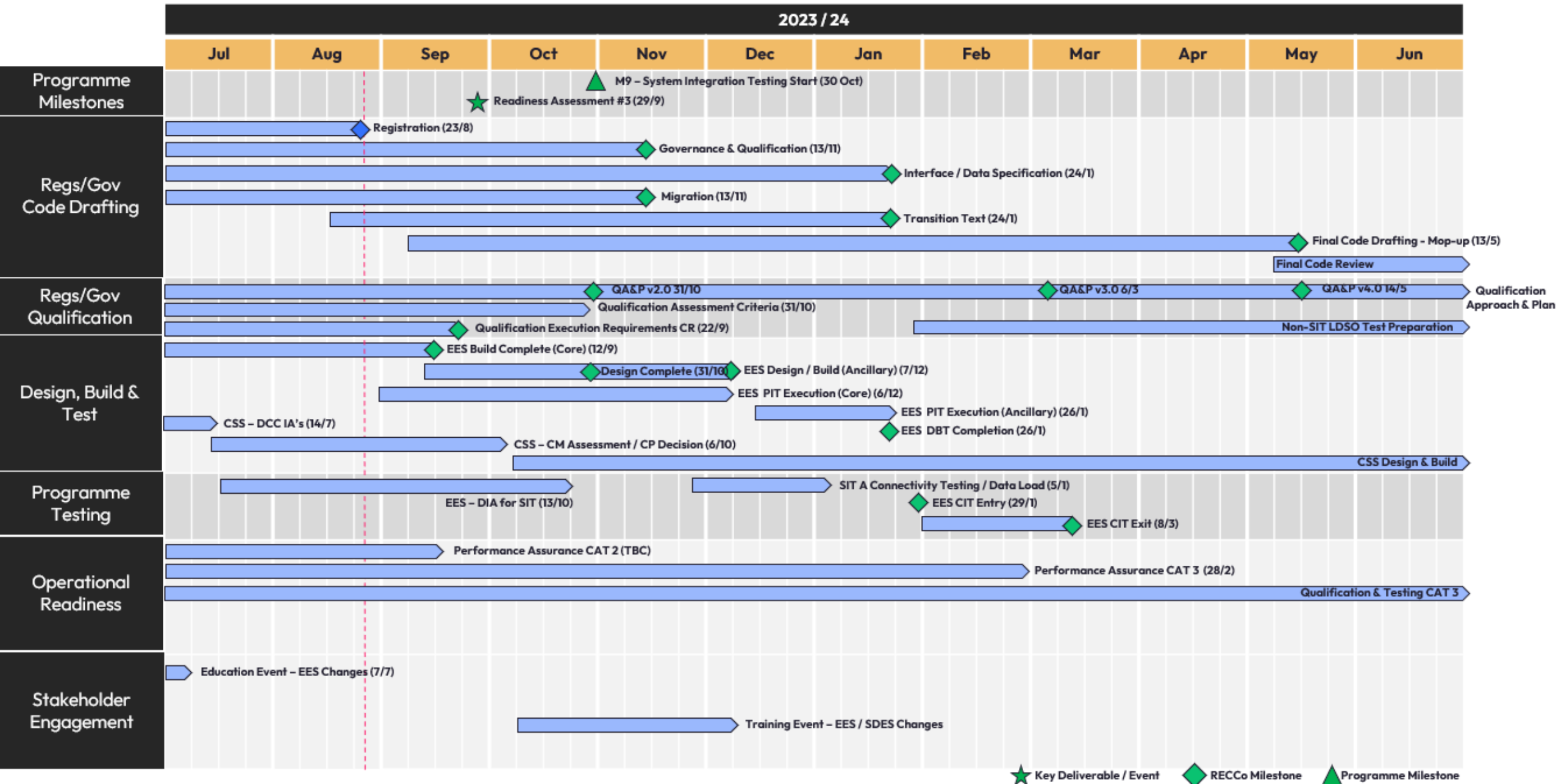
None

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 detail environment and test data requirements. Option to raise Programme CR to require DNOs to provide test environment / emulator	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.	SIT documentation to be delivered – Programme to set out revised dates for SIT artefacts	ASAP	Andrew Wallace




2023
2024
2025
2026
A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D
Programme Milestones
Baseline Programme Plan (7/6)
M9 – System Integration Testing Start (30/10)
M6 – Code Changes Baselined (23/8)
M8 – Code Changes Delivered (7/3)
M10 – Central Systems Ready for Migrating MPANs (7/3)
M15 – Full Transition Complete (05 Oct)
Regulation and Governance
Code Drafting Complete (23/8)
Code Drafting Implemented (07 Mar)
Qualification Prep (31/5)
Qualification Tranches 1-7 (16/2)
Design, Build & Test
EES Design & Build (7/12)
EES PIT Testing (26/1)
EES DBT Completion (26/1)
CSS Migration Volumes IA / CP Decision (6/10)
CSS Migration Volumes Design & Build (6/9)
Programme Testing
EES DIA for SIT (13/10)
EES SIT Entry (29/1)
EES Component Integration Testing (8/3)
EES SIT Functional Testing (17/1)
SIT Migration Testing (18/10)
SIT Non-Func.Testing (17/1)
SIT Operational Testing (7/2)
E2E SandboxTesting (19/1)
GO LIVE
Operational Readiness
Code Manager / RECCo Readiness (7/3)
RECCo Readiness
Migration Preparation (31/10)
Migration (5/10)
Stakeholder Engagement
REC Stakeholder Advisory Group (MSAG) (24/5)
Education Event EES (7/7)
Training Event EES/SDES Changes (8/12)
Critical Path
Key Deliverable / Event
RECCo Milestone
Programme Milestone


2023 / 24
Jul
Aug
Sep
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Programme Milestones
M9 – System Integration Testing Start (30 Oct)
Readiness Assessment #3 (29/9)
Regs/Gov Code Drafting
Registration (23/8)
Governance & Qualification (13/11)
Interface / Data Specification (24/1)
Migration (13/11)
Transition Text (24/1)
Final Code Drafting - Mop-up (13/5)
Final Code Review
Regs/Gov Qualification
QA&P v2.0 31/10
QA&P v3.0 6/3
QA&P v4.0 14/5
Qualification Approach & Plan
Qualification Assessment Criteria (31/10)
Qualification Execution Requirements CR (22/9)
Non-SIT LDSO Test Preparation
Design, Build & Test
EES Build Complete (Core) (12/9)
Design Complete (31/10)
EES Design / Build (Ancillary) (7/12)
EES PIT Execution (Core) (6/12)
EES PIT Execution (Ancillary) (26/1)
CSS – DCC IA's (14/7)
EES DBT Completion (26/1)
CSS – CM Assessment / CP Decision (6/10)
CSS Design & Build
Programme Testing
SIT A Connectivity Testing / Data Load (5/1)
EES – DIA for SIT (13/10)
EES CIT Entry (29/1)
EES CIT Exit (8/3)
Operational Readiness
Performance Assurance CAT 2 (TBC)
Performance Assurance CAT 3 (28/2)
Qualification & Testing CAT 3
Stakeholder Engagement
Education Event – EES Changes (7/7)
Training Event – EES / SDES Changes
Key Deliverable / Event
RECCo Milestone
Programme Milestone

MHHS - Monthly Delivery Report [*DIP*]

Report Date: 30-08-23

Core capability provider
DIP

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:
- DIP Build Sprints 7&8 complete, progressing in line with schedule
- Approval for remaining 1 key DIP Design deliverable:
  - Logical Architecture
- Formal PIT Entry Gate passed on 25/8 in line with schedule.
- Progress by workstream
  - Delivery & Change – Client Demo day held with early MPs to demo Onboarding, Certificate Management & Message Solution
  - Applications – Delivery of IR1 changes for PIT Entry, Infrastructure – PIT Environment and PIT-B (to support IR2 delivery) delivered
  - Security – Azure Policy Implementation, CI/CD Security, ACAM API Integration
  - Testing – PIT Sprint 0 completed, 15% of tests scripts completed in test coverage. Sprint 1 started 28/8.
  - Service – Level 1 'Front Door' for CIT discussions continuing

Progress expected in the coming month:
- Completion of PIT Cycles 1 and 2 with a focus on driving up the first time pass rate and reduce the volume of high-severity test failures.
- Completion of IR2 design and build for early Oct. deployment
- Begin initial deployment of SIT Landing Zone and then the SIT App
- Workstream focus:
  - Delivery & Change – Prepare for Onboarding Webinar for Int 1-3 MP's, 7th September, Initiate MP data receipt for DIP tests for validation purposes.
  - Applications – Focus on IR2 design (incl. MPAN state rules), Portal UI polishing, branching strategy for IR2 code.
  - Infrastructure – Delivery of SIT Land Zone Infrastructure and begin work to deploy SIT App Environment.
  - Security – Finalise proposal for early Penetration Testing
  - Testing – Complete PIT Test Cycles 1&2 & begin Cycle 3.
  - Service – Service Team onboarding to support SIT "front-door."

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*	*01/11/23*

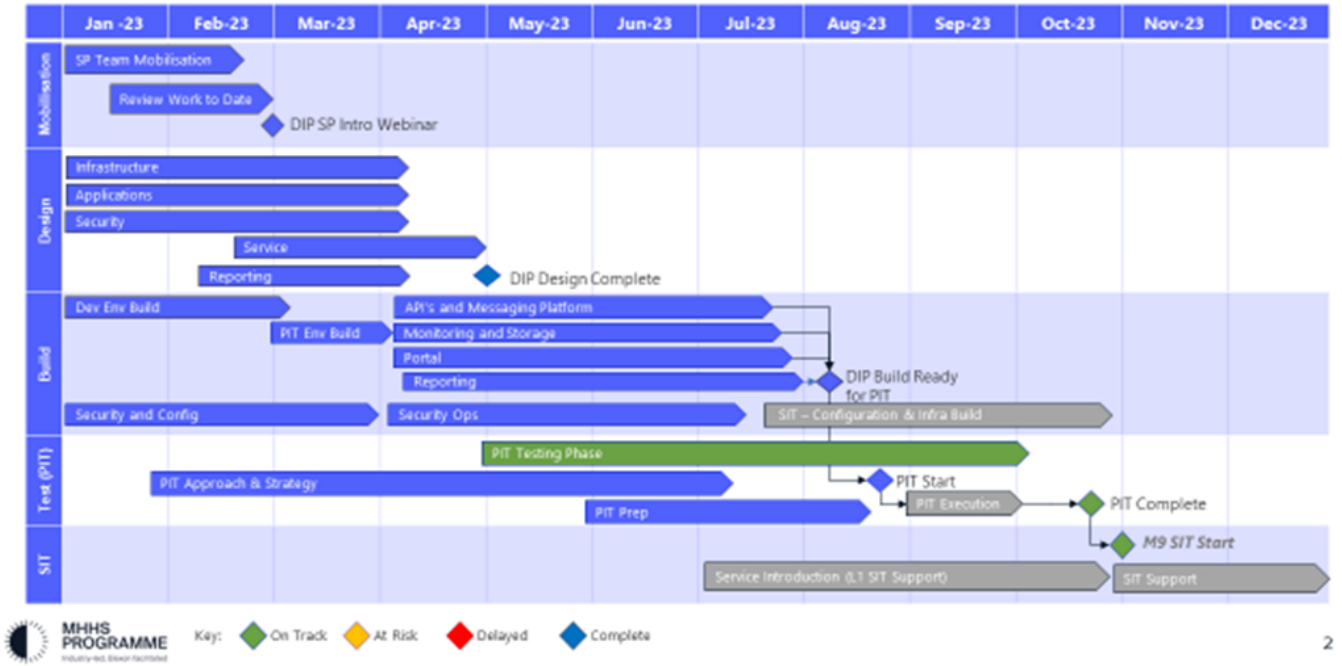
Decisions required	From whom?	By when?
None	n/a	n/a

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Design and risk arising from MPAN state rules based around IR2 Implementation	Continue to have discussions with the SRO Design team to resolve the low level DES138 and MPAN design issues.	08/09/2023	Rob Golding (Lou Otway)

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

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

DIP Readiness for M9 – POAP



MHHS - Monthly Delivery Report [*Helix*]

Report Date: 25-08-23

Core capability provider
Helix

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- Completed sprints 5&6 which delivers the necessary code for CIT
- The environments required for CIT have been delivered
- CIT scenarios finalised
- Integration testing continuing
- Held workshop with KPMG to evolve the detail or the qualification process

Progress expected in the coming month:

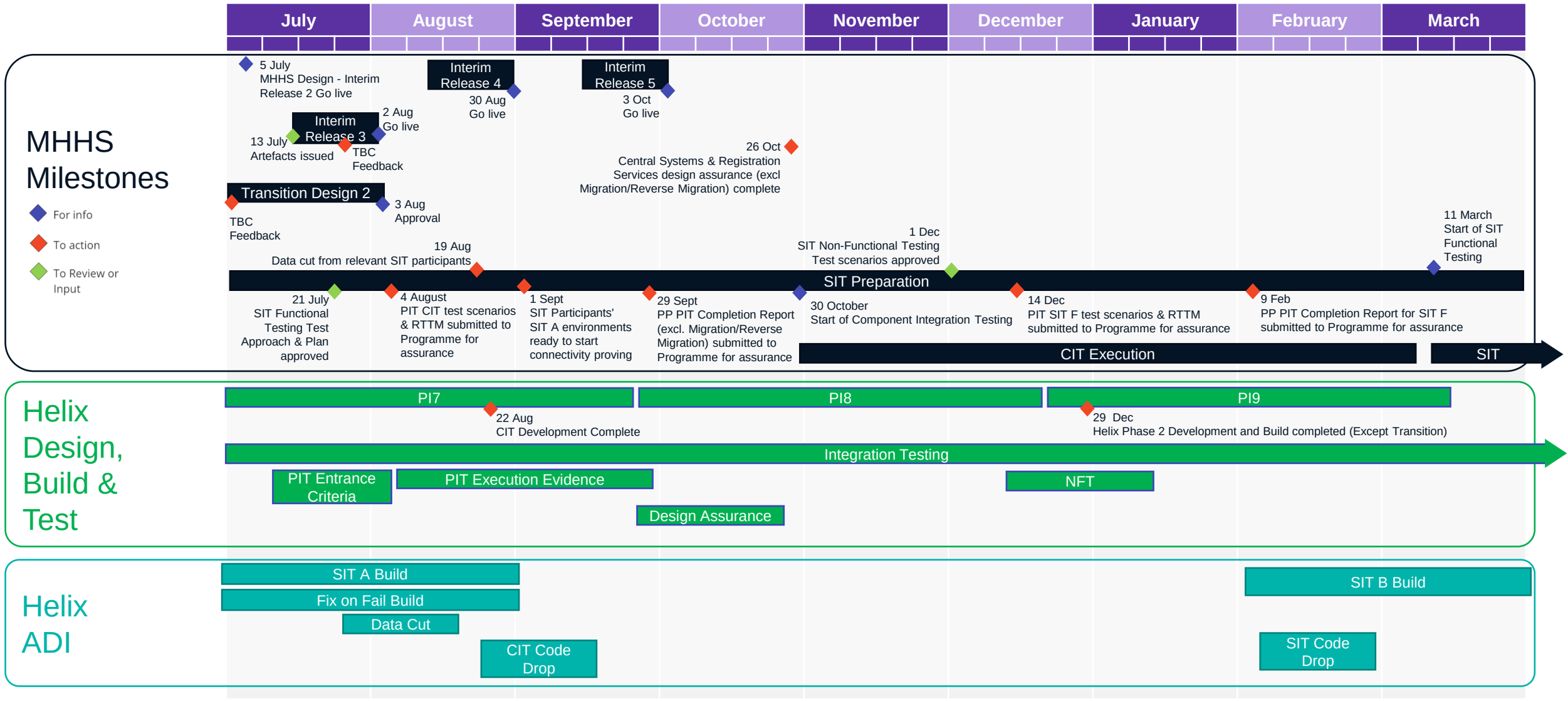
- Continue with integration testing
- Continue preparation for CIT.
- Complete PIT testing
- Commence test strategy for qualification
- Develop the output from the KPMG workshop

For Helix to move to an overall green status a better understanding of the design changes that are still to materialise would be required.

Party Milestones & Deliverables	R3 Target Date	Forecast date & RAG
Delivery phase start	20/04/22	Complete
Test Approach & Plan submitted	13/07/23	Complete
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)	29/09/23	In Progress
Industry phase starts (CI Starts)	30/10/23	Not started
Target second code release for SIT	30/01/24	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	Risk	It is assumed these interface changes will be minimal only impact the SIT testing and not be retrospectively applied to CIT.	30/09/23
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	Helix have tested against our own test harness and will implement the CIT tests against the DIP SIM however this does not mitigate this risk.	30/09/23
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.	
If the certificates for the DIP are not available prior to commencing the CIT testing, then this may impact the start of CIT.	Risk	Raise this Dependency\Risk with MHHSP.	09/10/23
CIT build design base.	Assumption	CIT will be based on Interim Release 2, except for the three items are either removed or resolved with IR 3.	
Message sizing to be limited to 1 MB	Assumption	Incoming message size to the DAH to be agreed at 1MB Confirmation if Pattern A will cover all the outgoing messaging.	
Transition design.	Assumption	With the late delivery of the transition design Helix are re-planning it's delivery. It is assumed for the current business applications these changes are not required until April 2025. In addition, Tranche 2 of the design will not impact Helix The Helix development will continue, to be delivered prior to transition testing in June 2024	
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 line.	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
It is assumed the SLA's provided by Helix for defect fixing during testing will be accepted.	Assumption	The resourcing needed for testing will be based around the SLA's presented to MHHSP 13 July. Highlighted with MHHSP	

Path to Functional Systems Integration Testing (SIT)



RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status Update

ElectraLink updates for September 6th PSG:

- ElectraLink is actively engaged with the MHHS Programme by participating in the Systems Integration Test Working Groups (SITWG), Data Working Group (DWG), Design Advisory Group (DAG), fortnightly sessions with the programme and Webinars.
- ElectraLink needs MHHS confirmation on the changes required to DTN Flows ahead of SIT
- There are no additional risks, issues or dependencies are to be reported this month

Milestones and Deliverables:

- No milestone or specific deliverables have been identified.
- There are no specific deliverables to be reported.

Decisions required	From whom?	By when?
Testing flags to be used by the Programme to be confirmed.	Programme and ElectraLink	DTN testing start
Changes to the DTN flows to be confirmed	Programme	DTN testing start

RAID	Mitigating or resolving action required	Date for action to be resolved	Action owner
Assumption – SIT will commence at the end of October 2023		31/10/2023	

Dependencies	Managing action required	Date for action to be resolved	Action Owner
No Dependencies to raise beyond the decisions raised above.			

RAGs	Overall	Approach	Plan	Resources	~~Budget~~	Risk

Status & Outlook

Activities reported as progressed in August:

- Concluded and signed off data processing agreement with ESCS.
- Reviewed business processes with regards to the SIT test scenarios for LDSO & UMSO.
- Set up regular meetings with SCS, C&C, Adapter Providers & Programme.
- Reviewed data requirements for SIT Functional.
- Stage 0 MPRS/ Durabill deployments
- Consultation response: GDPR P458 - Elexon
- Various working group attendance
- Internal planning
- Internal Functional Analysis/Design
- LDSO systems build
- Raised CR for DIP LDSO Interface Processing

Activities reported as expected to progress September:

- Conclude and sign off data sharing agreement with Elexon.
- Bi-laterals with Programme design team re SIT Functional scenarios for all DNO roles.
- Data cuts for 19th August completed. Transfer of MPRS SOUT database to SCS underway.
- Stage 0 MPRS/ Durabill deployments
- PKI requirements for non-sit participants
- Various working group attendance
- Internal planning
- Internal Functional Analysis/Design/Build
- Review of DIP Simulator usage in development/ PIT.
- Data Cleanse plan (DEL1181) review/include in delivery plan.

Decisions to be made by DNOs	Impact of no decision	Decision by when?
Finalise decision of UMSO system	Risk to meet non-SIT LDSO testing milestone	ASAP
Review of UMSO process as defined in Design	Request raised with Service provider to support with technical change to allow adherence to D0388 SLA to mitigate any requirement for a change request	31/08/2023
Clarify how Placing Reliance will work for DNO's during SIT MVC for Registration Services, Networks Operations, & UMSO roles.	Failure to comply	31/08/2023

Decisions required from the programme	Impact of no decision	Decision by when?
CR019 – define scope of testing/evidence for proving central systems (data services / load shaping)	Risk to DNO recovery of DUoS charges if central systems do not fully provide consumption data	15/05/2024
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	01/09/2023
Detail of Non-SIT LDSO Testing	Unable to properly plan testing	ASAP
Clarify how Placing Reliance will work for DNO's during SIT MVC for Registration Services, Networks Operations, & UMSO roles.	Failure to qualify – meeting in diary with programme reps to obtain more detail on how placing reliance will work for non sit participants	31/08/2024

Escalations (priority items for attention and support from the programme)	Action by when?
Clarification of Qualification testing requirements (non-SIT LDSO's)	ASAP
ISD interface design	ASAP
Clarity on Placing Reliance Process for NON Sit Participants	31/08/2023
Decisions on outstanding DIN Log items, CRs and Design Queries (as above). A priority is the IF19 & 20 association management (imports/exports)	ASAP.

Risks or Issues	Impacts	Opportunities to resolve and deliver as soon as possible
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	
UMSO System	Non-SIT LDSO testing milestone	Procurement being progressed as a priority
In relation to ongoing Programme discussions, further change may be required to Registration Systems	This may impact the delivery timescales and potentially delay delivery Additional cost implications for DNOs	Ongoing discussions on proposed changes, and a reasonableness approach adopted (potential change freeze)
Risk to System Design internal and suppliers if CR's are not approved timely	Missing programme deadlines and milestones. Additional costs	Ongoing discussions with programme and governance

DNO Key Milestones (in Round 3 plan)	Round 3 date & confidence level / RAG	Reasons for confidence levels
For those intending to participate in Systems Integration Testing (SIT) - SSEN		
M9 - SIT CIT start	**25-08-23** **1** High confidence	1 DNO confirmed as SIT Volunteer (SSEN) Dependency on Elexon providing a data sharing agreement (as data controller) and SCS providing data processing agreement for MPRS SOUT data.
SIT (Functional) start	**27-Feb-24** 1 Medium confidence	1 DNO confirmed as SIT Volunteer (SSEN) Clarification required from SI on UMSO & LDSO test cases... Further work required with SCS to understand what data will need to be shared between SSEN / SCS to complete SIT Functional testing. This is not a blocker and work is progressing to resolve/clarify.
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs	**07-Mar-25** 1 High confidence	Exact requirements on DNO's to complete SIT NFT/OT testing unclear. Further work required with Programme to provide clarity.
For those intending to participate in non-SIT LDSO (qualification) testing		
Non-SIT LDSOs testing start (Functional / Migration / NFT / Ops)	**02-Jul-24** 5 Medium confidence	Lack of detail regarding non-SIT LDSO Qualification Testing requirements and timescales Subject to no further significant design changes
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs	**07-Mar-25** **5** Medium confidence	CR029 decision - Design issue re requirement to route interfaces via DIP for LDSO interfaces Programme need to come up with a detail approach & agree with participants.

DNO Adaptor status				
Decision to use an adaptor		**Functional scope of adaptor agreed**		**Adaptor procurement completed**
Yes **6**			Wider **6**	4 Complete – 2 In Progress

RAGs	Overall	Approach	Plan	Resources	Budget	Risk

Status & Outlook

Activities reported as progressed in August:

- Progressed IDNO SIT preparation.
- Progressed IDNO SIT and Non-SIT Qualification requirements by liaising with Code Bodies.
- Monitored progress of LDSO DINs and CRs.
- Hosted a productive Delivery Assurance session.
- Updated internal Project Plans to align with the C&C Group and SCS SIT activities.
- Ongoing review of code drafting.
- Commenced a full Data preparation requirements gathering exercise.
- Submitted signed Programme Data Sharing Agreement.
- Engaged with the IPA Team for an initial IPA Assurance session.
- Engaged with the Design Team in a Design Assurance session.
- Responded to CRs, where appropriate.
- Attended RA3 Webinar.
- Completed data extract activity.

Activities reported as expected to progress in September:

- Ongoing readiness for SIT preparation.
- Continued review of draft Code changes.
- Continued monitoring of LDSO DINs progress and review of CRs.
- Continue to review data cleanse and preparation requirements.
- Prepare for IPA Assurance Deep Dive.
- Submit Placing Reliance Statements.
- Pursue Qualification requirement clarification.
- Identify Programme impacts to current BAU processes.
- Contractual negotiations with external third parties to cover UMSO test management (1 party).
- Provide RA3 submissions.

Decisions to be made by IDNOs	Impact of no decision	Decision by when?

Decisions required from the programme	Impact of no decision	Decision by when?
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

Escalations (priority items for attention and support from the programme)	Action by when?
Clarity and resolution on the above	ASAP

Risks or Issues	Impacts	Opportunities to resolve and deliver as soon as possible
All systems ready for SIT start	Will be unable to participate in SIT	Continued working towards all system readiness
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.

IDNO Key Milestones (in Round 3 plan)	Round 3 date & confidence level / RAG	Reasons for confidence levels
For those intending to participate in Systems Integration Testing (SIT)		
M9 - SIT CIT start	**30-Oct-23** [ ] High confidence [2] Medium confidence [ ] Low confidence	Progress for M9 is positive, particularly with better confidence of the Placing Reliance Policy, but still some preparation to do.
SIT (Functional) start	**27-Feb-24** [ ] High confidence [2] Medium confidence [ ] Low confidence	Placing Reliance policy and contracts now in place with third parties, with expertise in energy industry programme testing management providing confidence.
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs	**07-Mar-25** [ ] High confidence [2] Medium confidence [ ] Low confidence	Progress for M10 looks positive but still some preparation to do.
For those intending to participate in non-SIT LDSO (qualification) testing		
Non-SIT LDSOs testing start (Functional / Migration / NFT / Ops)	**02-Jul-24** [1] High confidence [3] Medium confidence [ ] Low confidence	Placing Reliance policy and contracts now in place with third parties for some IDNOs, with expertise in energy industry programme testing management providing confidence. Some other IDNOs are working with their software providers to prepare their testing plans.
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs	**07-Mar-25** [1] High confidence [3] Medium confidence [ ] Low confidence	Placing Reliance policy and contracts now in place with third parties for some IDNOs, with expertise in energy industry programme testing management providing confidence. Some other IDNOs are working with their software providers to prepare their testing plans.

IDNO Adaptor status

Decision to use an adaptor		Functional scope of adaptor agreed		Adaptor procurement completed
Yes [7]	No [0]	MPRS only [1]	Wider [3]	[3]

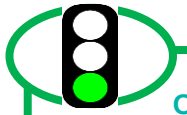
Central Party budgets – 23/24

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	Total
	£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	1.59	1.73	1.77	1.52	1.40	1.54	1.71	1.25	**19.85**
DCC Budget	£3.41			£3.41			£3.41			£3.41			**£13.64**
DCC Act/Forecast*	**Design/Build/PIT actuals will be realised before end of September 2023*												
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	£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**
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										**£0.20**
Total Budget	£4.81	£6.64	£4.95	£5.04	£5.81	£4.92	£5.20	£3.60	£2.99	£3.23	£3.46	£4.89	**£55.54**
Total Act/Forecast													

Please note:

- MHHS: * = includes contingency.
- RECCo: include only 3rd party costs (do not include internal resources)
- DCC: financials being finalised alongside Service Providers
- *Note from DCC: DCC will share budget vs actual on a quarterly basis as the process of estimating does not yet allow a more granular level with it's Service Providers. Actuals will be shared when contractual milestones are met with DCC Service Providers and invoices paid, which align to DCC plan milestones, e.g. Completion of PIT/SIT.
- *Note: For reporting the total budget has been calculated with DCC's budget split monthly.



Overall Status

- The Code Drafting Workstream is on track for M6 delivery and lower-level tier 3 milestones

August Summary

- Registration comments have been addressed and where accepted, the Code Artefacts have been red-lined and published on the Collaboration Base for industry assurance
- BSC Central Services consultation closed on 12/07 and the comments need to be triaged and actioned.
- Migration, Governance/Qualification (on track)
- Interface/Data Specification activity aligned with Transition text topic area (Mid-October consultation)
- POAP updated and additional Mop-up consultation planned for December

September Deliverables

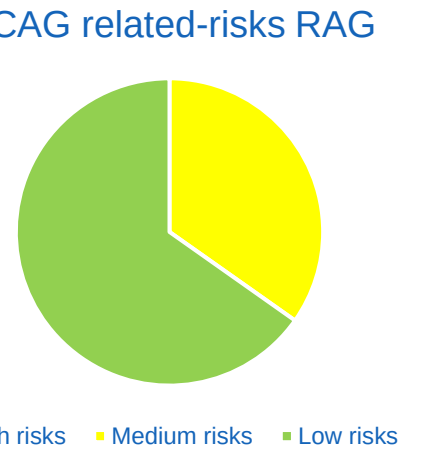
- Respond to all BSC Central Services consultation comments, publish and complete refinement assurance process
- Consult on Migration, Governance/Qualification
- Continue delivery of Interface/Data Specification and develop/agree new plan and delivery timescales
- Start Mop-up planning how and when changes to Design through CRs and DINs will be delivered

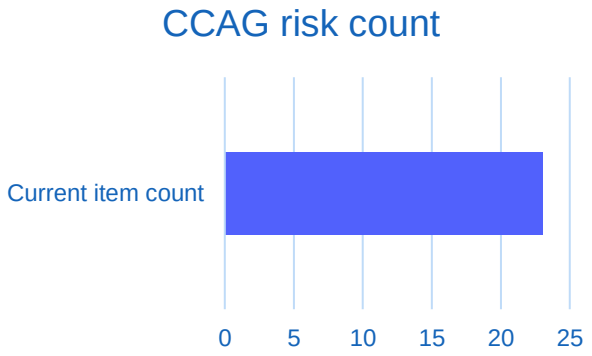
Drafting Milestones	Target date	Forecast date	Status
Data Services approved at CCAG	24/05/23	24/05/23	Complete
Metering Services approved at CCAG	24/05/23	24/5/23	Complete
Registration approved at CCAG	23/08/23	23/08/23	Green
BSC Central Services approved at CCAG	27/09/23	27/09/23	Green
Governance and 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

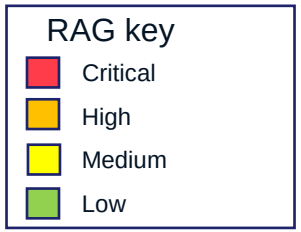
Top Programme Risks related to CCAG

Code Drafting
Updated to 21/08/23

Risk/Issue ID	Risk description	Risk impact	RAG	Mitigation
R485	There is a risk that the Design or queries related to Design are not completed or provided in time and as a result do not provide the information required to enable Code drafting delivery	A delay to resolving Design queries will result in a delay to Code delivery		1) Design process (DIN Process) set up to resolve Design queries 2) Amend Code Drafting Plan to accommodate outstanding Design areas 3) Monitor DIN Volumes 4) Code is baselined against a point in time and after this time, changes are picked up by a CR or post M6 agreed process.
R202	There is a risk that Programme testing may identify changes to baselined code and require code updates and further code releases after initial code changes have been approved	This may result in additional time being required to deliver code updates, delaying M6 and/or M8		1) Monthly meeting in place between Test and Code to monitor likely volume of changes to Design and by association Code 2) To ensure the change control process is followed correctly and test item volume known by Code team
R355	There is a risk that Consequential Change solutions are not approved by responsible parties in advance of the associated Code Drafting topics	Delays to the Programme in drafting and subsequently approving consequential change, impacting M6		1)Monthly meeting in place between Test and Code to monitor likely volume of changes to Design and by association Code 2) To ensure the change control process is followed correctly and test item volume known by Code team
R354	There is a risk that industry Code governance will agree implementation of Change/ Modifications that impact MHHS design/outcomes without MHHSP Impact Assessment or governance decisions	Delays to the programme in accommodating industry change		1) Monitor Horizon scanning in CCAG 2) Programme has set an optimum process for progressing external change (that impacts MHHSP to learn the lessons from DCUSA DCP415). This has been added to CR027 and is managed via horizon scanning and CC process 3) External change is triaged and assessed so that the appropriate part of the business can manage or engage the external change process - PMO Change Control lead assessing with workstream leads via Horizon Scanning
R402	There is a risk that Ofgem designate code changes using their SCR powers rather than Smart Meter act powers, adds risk and dependencies on external party delivery	Using SCR powers means that each code will have to raise a SCR mod and consult, whereas using SMA powers Ofgem would do one consultation.		1) Agree plan to ensure SCR powers don't delay M7/M8 2) Agree compressed SCR mod timescales to reduce timelines 3) Code Bodies follow MHHSP/Ofgem SCR plan







MHHS PROGRAMME
Industry-led, Elexon facilitated

SI Workstream – Progress Update

SI Progress
Updated to 25/08/23

Workstream	Progress	Next steps		
		What	Owner	By When
Design	Design queries • Low volume outstanding (Approx 40) • Average response time in August for closed tickets has reduced to 2wd • 625 items recorded on the DIN log with ~100 open entries once IR4 is published on 30-Aug-23 • The new fast-track design update process is working well with ~380DINs being implemented. The request from industry to redline the DIN log was implemented along with improved reporting.	Continue to answer queries and monitor levels Where possible, address queries in bulk (e.g. ESG) Interim Release 3 successfully deployed 2-Aug-23, Interim Release 4 on target for release 30-Aug-23	MHHS MHHS	Ongoing 30-Aug-23
Design	Design Assurance • Cohort 1 – Initial meetings with core participant has completed, finding reports are being issued • Cohort 2 – The team has completed the deep dive sessions for the larger SIT participants and have scheduled the remainder of the session for other SIT participants	Deep dive design session Deep dive design session	CPPs SIT volunteers	31-Aug-23 30-Sep-23
Testing	SIT volunteers – 19 Placing Reliance Proposals reviewed by Programme and Code Bodies. All review comments issued back to participants. Awaiting responses	Review participant responses and conclude activity	SIT volunteers	31-Aug-23
Testing	Testing documentation in progress/published in last month: • SIT - Functional Testing Data Approach & Plan + associated Data Approach & Plan – Approved 16-Aug TMAG • Environments Plan & Approach Work Off - Approved 16-Aug TMAG • PIT Guidance v2.1 Published on time 18-Aug • SIT/CIT Readiness Tracker - Approved 16-Aug TMAG • CIT Test Scenarios v5.2.2 – SITWG agreement to issue for TMAG Approval 23-Aug ESITWG • SIT Functional Test Scenarios – Uplift to Interim Release 2 Design complete and issued for Industry Assurance Review on time 21-Aug • Refresh End-to-End Testing & Integration Strategy • CIT Test Cases Batch 1 (for CIT Interval 1 & 2)	 Extraordinary TMAG Approval SITWG Review TMAG Approval Assurance Review TMAG Approval Assurance Review Extraordinary TMAG Approval	 MHHS MHHS MHHS PPs MHHS PPs MHHS	 30-Aug-23 05-Oct-23 18-Oct-23 11-Sep-23 18-Oct-23 18-Sep-23 29-Sep-23
Testing	Test Data • DPIA and Data Sharing Agreements issued by Elexon for signing by SIT PPs • A small number of PPs have requested extensions to signing agreements beyond 25-Aug	Data Sharing Agreements in place (planned) Data Sharing Agreements in place (extension)	PPs PPs	25-Aug-2023 14-Sep-2023
Sims & Ems	DIP Simulator: all IF interfaces and structural elements successfully uplifted to IR2 on 11-Aug-23, as well as message signing on 28-Jul-23. Remaining Data Generator interfaces and REP-003 uplifted on 25-Aug-23.	Currently working towards uplifting the DIP Simulator to IR5 in time for SIT Functional.	MHHS	3-Nov-23
Migration & Transition	Data Cleanse Sub Working Group to be set up to occur each month feeding into TMAG.	First session to be held in September. To review current Data Cleanse RAID.	MHHS	28-Sep-23
Migration & Transition	Migration volumes and planning NFRs reviewed in Aug MWG, challenges to volumes LDSO will be required to support raised by an LDSO.	MHHS programme to produce further detailed analysis to support proposed requirements. Replanning to move TMAG decision from Sep-23 to Oct-23 following consultation.	MHHS	14-Sep-23

FTIG meetings

- Open forum
- Strong, positive & constructive engagement from attendees
- Want to encourage more solutionising from PPs
- Recent key topics:
    - Data cut recommendation made and taken to TMAG
    - SIT readiness tracker
    - Swagger and Interface Catalogue differences
    - “All things” (test) data – cut, augmentation, transfer, DPIA, DSA
    - Availability of Helix ISD files
- Next meeting is f2f on 6-Sept, then moving to weekly

SIT Outlook:

- Covered in main agenda

MHHS Programme
IPA
Avanade (DIP)
BUUK Infrastructure
C&C Group Holdings
Callisto
Centrica / British Gas
Data Communications Company (DCC)
E (Gas and Electricity) Ltd
E.ON Next Energy Limited
E.ON UK Solutions
Edgware Energy
Electralink
Elexon Central Systems (Helix)
ESG
IMServ

Itron Metering Solutions (UK)
Last Mile Electricity Ltd
National Grid Electricity Distribution
National Grid ESO
Npower Business Solutions
Octopus Energy
OVO Energy
Power Data Associates
RECCo
SMS
St Clements Services
Stark
TMA Data Management
Tym Huckin Ltd
Unify Energy
Utilita
Utilteam
Wheatley Solutions

Level 3 Advisory Groups Updates

Advisory Groups
Updated to 30/08/2023

Governance group updates

Programme Steering Group (PSG)

Updates from PSG 02 August 2023

1. **Route to M9:** PSG received an overview of activities required and the process for approval in the sign-off of M9 (System Integration Test Start). This included the route to SIT readiness, SIT CIT & SIT Functional timelines and an overview of decision choreography & high-level criteria.
2. **SIT Assurance Observations:** PSG received an overview of observations gathered as part of delivery and design assurance in readiness for M9 (System Integration Test Start)
3. **Core Capability Provider Update:** PSG members received focused delivery updates from SCS, DCC and RECCo
4. **IPA Testing Assurance:** The IPA provided an update on the outcome of the P1 Test Assurance report and timelines for P2.

PSG papers available here.

Testing and Migration Advisory Group (TMAG)

Update from TMAG 16 August 2023

1. **Upcoming Programme Milestones related to TMAG:** The TMAG approved the SIT Data Cut GONG for the 19 August 3034.
2. **Environments Approach and Plan:** The TMAG approved v2.5 of the Environment Approach and Plan (with the caveat that sign-off of future versions will come to TMAG).
3. **SIT Functional Test Approaches & Plans:** The TMAG approved version 0.4 of the SIT Functional Test Approach and Plan.
4. **SIT Functional Test Data Approaches & Plans :** The TMAG approved version 0.4 of the SIT Functional Test Approach and Plan.
5. **CIT Test Scenarios Update:** The Programme shared that the CIT Test Scenarios were coming to an extraordinary TMAG for approval on 30 August 2023.
6. **CIT Readiness Criteria:** The TMAG approved the CIT Readiness Criteria and Tracker.
7. **Qualification Update:** The Elexon Qualification Lead provided an update on the responses received to participant Qualification tranche requests.
8. **IPA Test Assurance Update:** The IPA provided an update on P2 Test Assurance.

TMAG papers available here

Design Advisory Group (DAG)

Updates from DAG 09 August 2023

1. **CR024 Decision:** The DAG Chair approved CR024 (Data Item Names and Descriptions) . The change will now be scheduled for release via the Design Issues Notification (DIN) Log and the release date confirmed in due course.
2. **CR023 & CR027:** Decisions on approval of CR023 (Standardisation of Interfaces within the Smart and Advanced Data Services Roles) and CR027 (Distribution Use of System (DUoS) E-Billing Data Integration Platform (DIP) message for MHHS) were deferred to the September 2023 DAG meeting, pending the provision on implementation plans by the Programme.
3. **CR028, CR029 & CR030:** These new CRs were approved for issuance to Impact Assessment (IA) subject to minor amendments. Each CR will be issued for IA in dues course with notification to be provided to all Principal Contacts and view The Clock.
4. **DES-196 D-Flow and Interface Mapping:** DAG approved the issuance supplementary documents relating to data flows for consultation.

DAG papers available here

Cross Code Advisory Group (CCAG)

Update from CCAG 23 August 2023

1. **Horizon Scanning Log:** For the DCUSA, DCP414 was discussed and had been approved at the Authority. For REC, R0083, R0083A, R0143, R0144 were discussed. For BSC, P458, P459, P460 were discussed.
2. **CDWG Escalations:** CCAG members approved the CDWG recommendation of BSC and RED Registration Code Artefact approval.
3. **CCAG Reporting, Risks and Milestones:** The Programme provided a status summary on code drafting activities and August deliverables, Programme milestone changes, top Programme risks related to CCAG and the DCUSA consequential change status report.
4. **NGESO Delivery Update:** NGESO provided an overview of the challenges facing CUSC charging and their proposed solutions.
5. **Elexon Delivery Update:** Elexon shared the outline and key steps of their CCC path for the performance assurance areas.

CCAG papers available here

Wider Programme updates

Code Drafting Consultation:
The Programme has published the **BSC/REC Governance, Qualification and Migration Code Artefacts** for consultation, the deadline for submitting comments on these Artefacts is **17:00** on **Friday 8 September 2023**. For more information on this consultation please visit the Code Artefacts Tranche 3 page of the MHHS website

Readiness Assessment Three (RA3)
On **5 September 2023**, the Programme will run the third Readiness Assessment (RA3) and the Programme will issue questions, seeking responses from participants on their Programme readiness. We'll email the RA3 survey to Programme participants on **5 September** and participants have until **25 September 2023** to complete the survey.

Data Integration Platform (DIP) Simulator uplifted to Design Interim Release 2 The Programme has **uplifted the DIP Simulator to Design Interim Release 2**, including all IF interfaces. A **downloadable v5.0 of the DIP Simulator** is still available from the Source Code page on the Collaboration Base.

Upcoming events:
- **31 August:** Programme Steering Group (PSG) pre-meeting webinar
- **31 August:** Design Resolution Group
- **5 September:** Environments and Configuration Management Working Group (EWG)
- **5 September:** Settlement Analysis Scope Working Group (SASWG)
- **6 September:** PSG
- **7 September:** Data Integration Platform (DIP) Onboarding
- **11 September:** Migration and Transition Design Subgroup (MTDSG)
- **28 September:** Data Cleanse Working Group (DCWG)

Participant Checklist:
- **Design Interim Release 4 and Interim Release 5 objection cut-off:** We're publishing the **Interim Release 4 Design Artefacts** today, on **Wednesday 30 August. These** Artefacts will be published on the Baselined Design Artefacts page of the MHHS website.
- **Systems Integration Testing (SIT) Functional Test Scenarios Assurance Review:** The Programme updated the **SIT Functional Test Scenarios** and issued them for a 10 working day assurance review. Participants have until **17:00** on **Tuesday 5 September** to share their feedback. To view the updated SIT Functional Test Scenarios and how to provide feedback, please visit the SIT page of the MHHS website.

Key themes of PPC engagement (25 July 2023 – 25 August 2023)

Testing

- The PPC team have continued to work closely with the Testing team to support across a number of key requests from SIT participants, including the Test Data Cut, MPID PPIR and DPIA/Data Sharing Agreement.
- The PPC team have liaised with participants to receive confirmation that the Test Data Cut was taken successful on 19 August. The Data Sharing Agreement has also been issued to participants via Docusign for signature. We are also working to confirm the MPID PPIR data provided by participants before issuing DIP IDs.
- The PPC team have support Testing in delivering a 10 working day assurance review of the SIT Functional Test Scenarios.
- The PPC Team have supported across a number of SIT specific Testing activities, including the Test Data Cut, MPID PPIR, and DPIA/Data Sharing Agreement.
- We will continue to monitor responses to the Data Sharing Agreement, including supporting the Data Team with responding to queries in relation to participant feedback.
- Qualification route participants have raised issues around a large number of unknowns around Qualification still exist, mainly due to the final iteration of the QA&P not being scheduled until EOY.

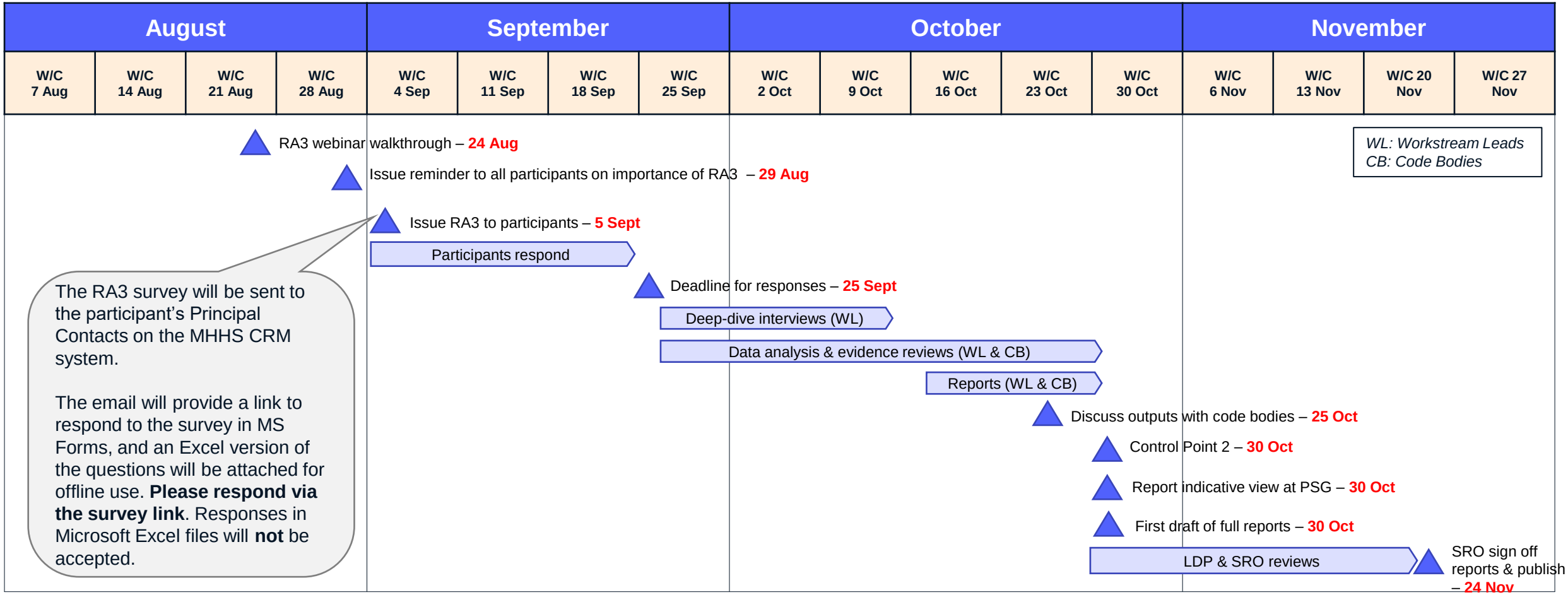
Targeted and tailored communications

- The PPC team are supporting the Programme with one upcoming webinar, DIP Onboarding on 07 September, and have recently facilitated another, RA3 on 24 August.
- The recent RA3 webinar on 24 August was attended by 106 Programme participants and MHHS colleagues, and the PPC team facilitated some in-depth questions, with a Q&A to follow.
- To date there are 76 sign ups to the DIP Onboarding webinar, but following the Clock release this afternoon we expect a flurry of further sign ups.
- **Next steps:** Continue to develop the content and agenda for the upcoming webinar on DIP Onboarding.

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.
- Planning for the September Readiness Assessment is underway.
- **Next steps:** Facilitate the final few Design and Delivery assurance meetings and supporting with the follow-up reports.

Timeline for RA3



Key Points:

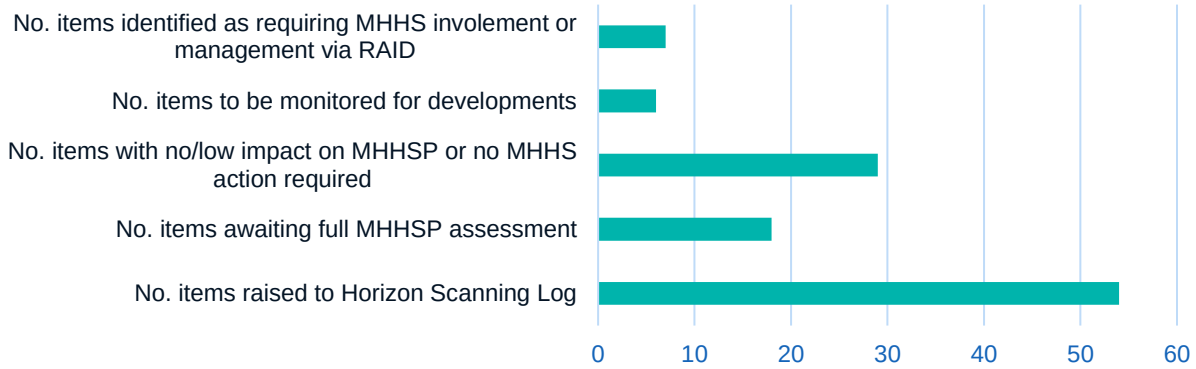
Three weeks for participants to respond (05/09 - 25/09)
Participants will have three weeks to respond to the RA3 survey.

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: **55** – REC: 30, BSC: 12, SEC: 4, DCUSA: 8, CUSC: 1

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

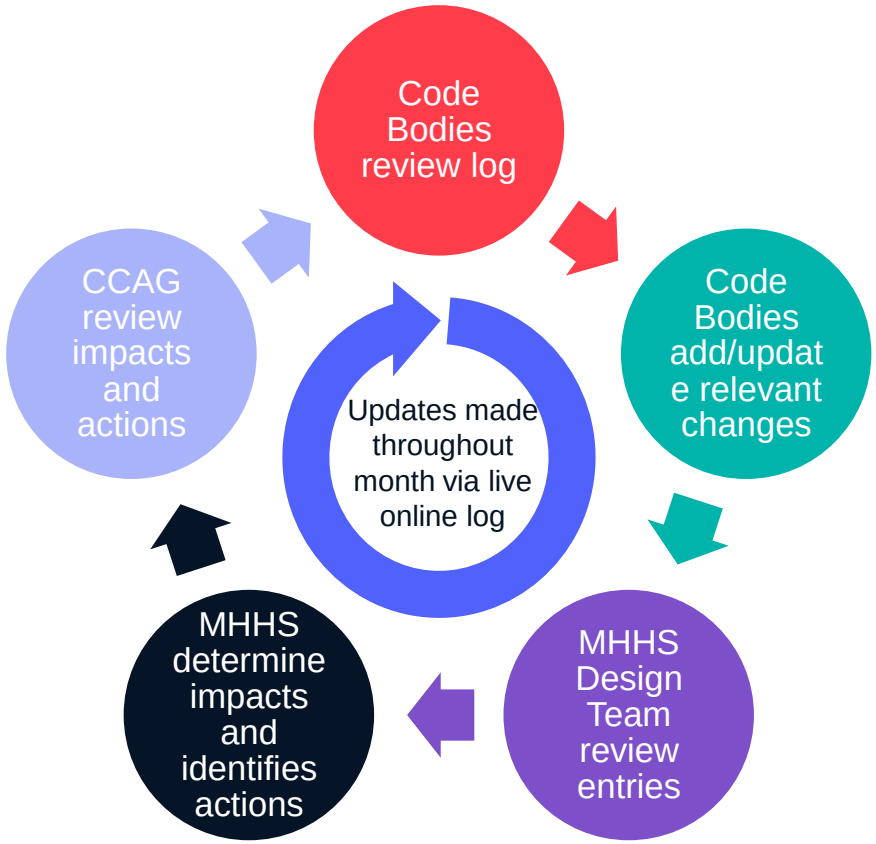
Criticality of horizon scanning items – High: **4**, Medium to High: **3**, Medium: **4**, Low/No impact: **29**

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.



MHHS IPA

Monthly Assurance Dashboard - August 2023

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 MHHSP and review of supporting programme artefacts.
- **Design Documentation (WP4)** - **In Progress** - Continued monitoring of DIN process and design changes 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 1" - Complete -** Final Test Assurance "Period 1" report issued to the Programme and agreed actions being tracked to completion.
  - **Test Assurance "Period 2" - In Progress** - Assurance activities are currently being mobilised with briefing calls held with Programme Participants who are being asked to take part in this period of assurance.

Upcoming Assurance Activities

- **Test Assurance (WP9,10,11) "Period 2" -** conduct assurance meetings with Programme Participants who have been asked to take part in this period of assurance.
- **Conflicts of Interest -** Next phase of assurance activity is being planned for October 2023.

Assurance Action Status

Total agreed actions from IPA reports:

Complete	In progress
23	**48**

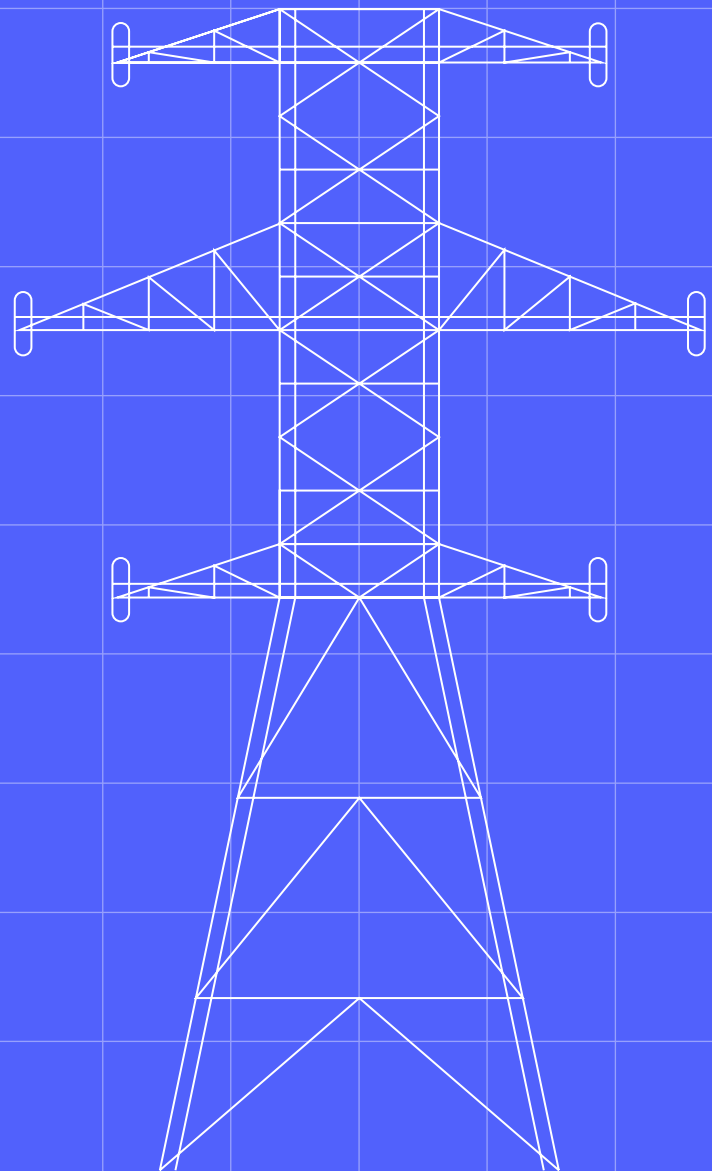
This document has been prepared by PwC for Ofgem only, and solely for the purpose and on the terms agreed with Ofgem in PwC's Order Form (Con/Spec 2021-086), as part of PwC's call-offs under the Economic, Financial and Other Consultancy framework. PwC accept no liability (including for negligence) to anyone else in connection with our work or this document. © 2023 PricewaterhouseCoopers LLP. All rights reserved. 'PwC' refers to the UK member firm, and may sometimes refer to the PwC network. Each member firm is a separate legal entity. Please see www.pwc.com/structure for further details.

Summary and Next Steps

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

Chair and Secretariat

5 mins



Document Classification: Public

Summary and next steps

1. Confirm actions and decisions from meeting
2. Next PSG meetings:
   - **Regular: 04 October 2023 10:00 – 12:00 (virtual)**
   - **Extraordinary: 30 October 2023 14:00 (virtual) (M9 approval)**

04 October 2023 agenda items	Standing items
• M9 Progress / FTIG Update • Assurance Updates (Delivery, Design, Testing)	• 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

Thank you

MHHS
PROGRAMME