
Programme Steering Group #25

04 October 2023

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	6
4	Programme Reporting	Progress reporting against the Programme Plan	Information	Programme (Keith Clark)	10:15-10:25 10 mins	8
5	SASWG Output Report (CR013)	Output report from the Settlement Analysis Scoping Working Group (SASWG)	Decision	Programme (Chris Welby)	10:25-10:35 10 mins	11
6	Code Drafting Milestones	Decision on recommendation from the CCAG to move code drafting milestones from Tier 2 to Tier 3	Decision	Programme (Chris Welby)	10:35-10:45 10 mins	18
7	M9 Dress Rehearsal	Preparation for M9 decision and latest updates on SIT readiness and M9 commencement	Information	Programme (Keith Clark & Lee Cox)	10:45-11:15 30 mins	20
8	Qualification Testing	Update from the Programme on Qualification Testing	Information	Programme (Chris Harden)	11:15-11:30 15 mins	44
9	Delivery Dashboards	Questions from PSG members on delivery dashboard content	Information	Chair	11:30-11:45 15 mins	46
10	Summary and Next Steps	Summarise actions and decisions, and look ahead to next meeting	Information	Chair & Secretariat	11:45-11:55 10 mins	77

Attachments

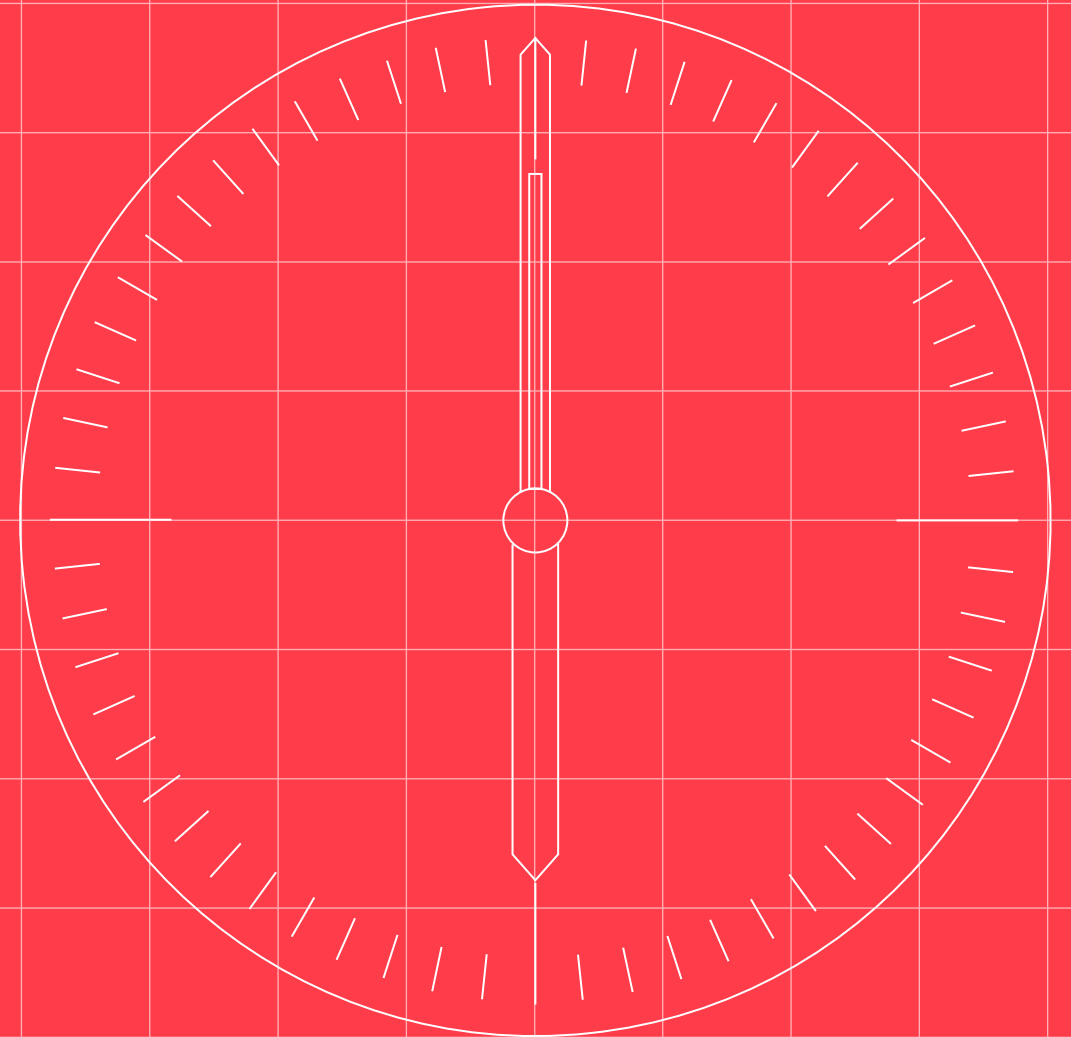
Attachment 1 - CR013 Report v0.2

Minutes and Actions

DECISION: Approve minutes and review actions

Chair & Secretariat

10 mins



Minutes and Actions (1 of 2)

1. Approval of minutes and headlines of last PSG

2. Review of actions:

Ref	Action	Owner	Due	Latest Update
PSG17-05	Review the post-implementation approach to Benefits Realisation and how Benefits Realisation will be handed over to Ofgem at M16	Programme (Jason Brogden)	To be reviewed at CP2	ONGOING: 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: Settlement accuracy proposals supported by SIT Working Group 7 th September and the Programme has met with Helix to progress. Programme has discussed 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 should continue to encourage their constituents to engage the Programme bi-laterally where support is needed.
PSG21-05	Programme to discuss with IPA the potential inclusion of IPA test assurance activities alongside programme plan information, to assist participants' view of effort requirements	Programme and IPA	05/07/2023	ONGOING: IPA test assurance activities have been incorporated into the new MHHS Transition Timeline and Implementation Approach. The minor updates include a new swimlane within the POAP which cover related IPA activities. The updated document is due to be republished following the restructuring of certain SIT preparation activities. In the meantime, participants are encouraged to contact the IPA for a view on any IPA assurance activities.
PSG23-03	Review the existing appeals mechanisms as described in the existing Governance Framework and determine whether a defined appeals process needs to be documented elsewhere. Findings will be shared with PSG.	Programme (Lewis Hall & Fraser Mathieson)	01/11/2023	ONGOING: Update to be provided to November 2023 PSG.
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	RECOMMEND CLOSED: All items in LSC letter covered with GW with outstanding item in action above for appeals review

Minutes and Actions (2 of 2)

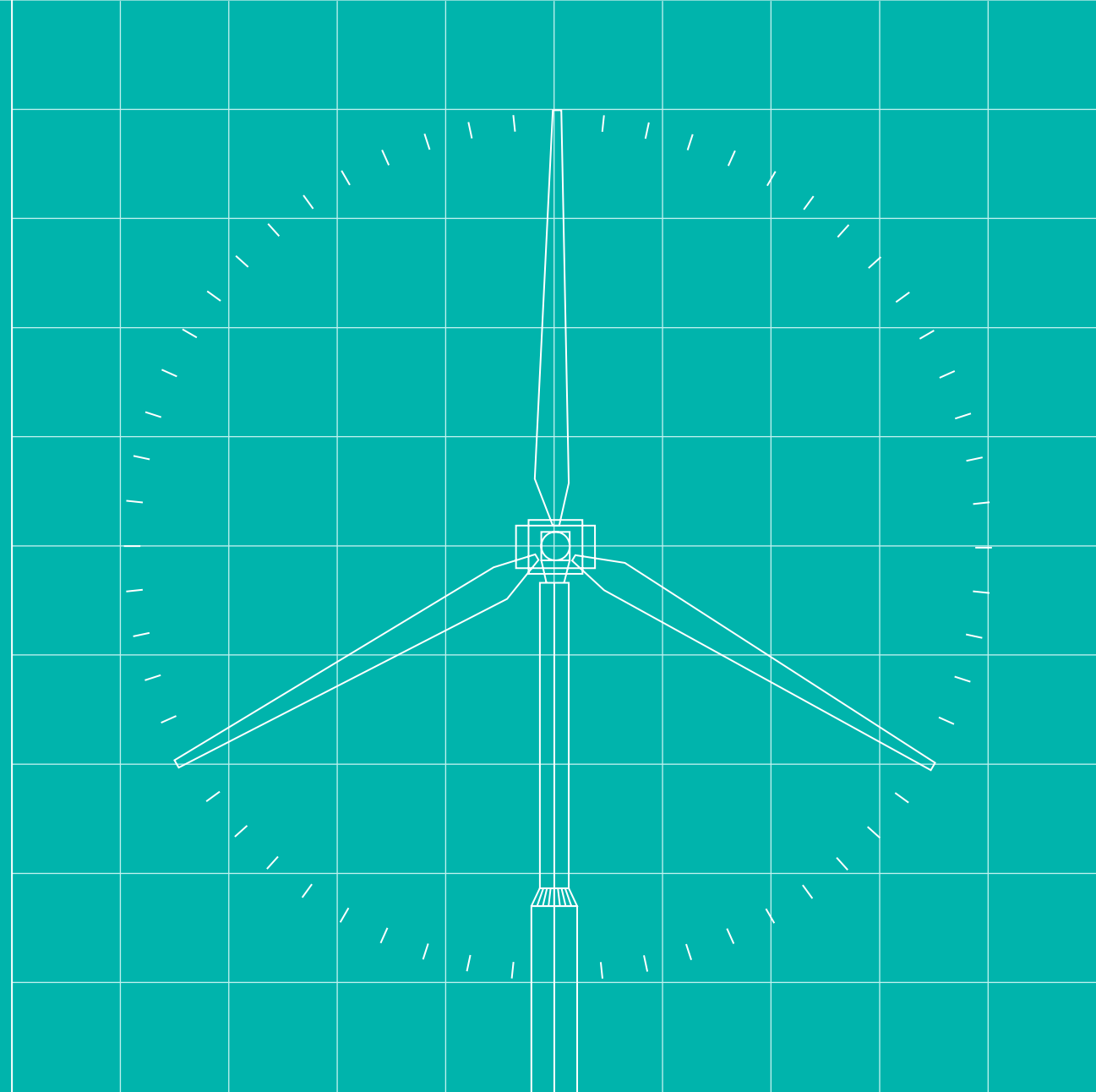
Ref	Action	Owner	Due	Latest Update
PSG24-01	Elexon and RECCo to provide transparency around qualification testing dates, assumptions on equivalence from SIT, and understanding of testing which may be required in addition to SIT-based evidence requirements. In addition, Elexon and RECCo to ensure the clarifications are raised to the Qualification and E2E Sandboxing Working Group (QWG) and current plan dates are published.	Elexon (Oli Meggitt) & RECCo (Jonny Moore)	04/10/2023	ONGOING: Update to be provided under agenda item 8.
PSG24-02	Elexon to discuss development of the Qualification Assessment Document (QAD) and Qualification Approach and Plan document with the IPA	Elexon (Oli Meggitt)	04/10/2023	RECOMMEND CLOSED: Update to be provided by Elexon in meeting.
PSG24-03	Programme to review risks R653 and R380 and consider whether risk score should be higher	Programme (PMO)	04/10/2023	RECOMMEND CLOSED: R653 mitigation action updated and score increased. R380 mitigation action updated and score decreased.

Sponsor Update

INFORMATION: Update from the Programme Sponsor

Ofgem

5 mins



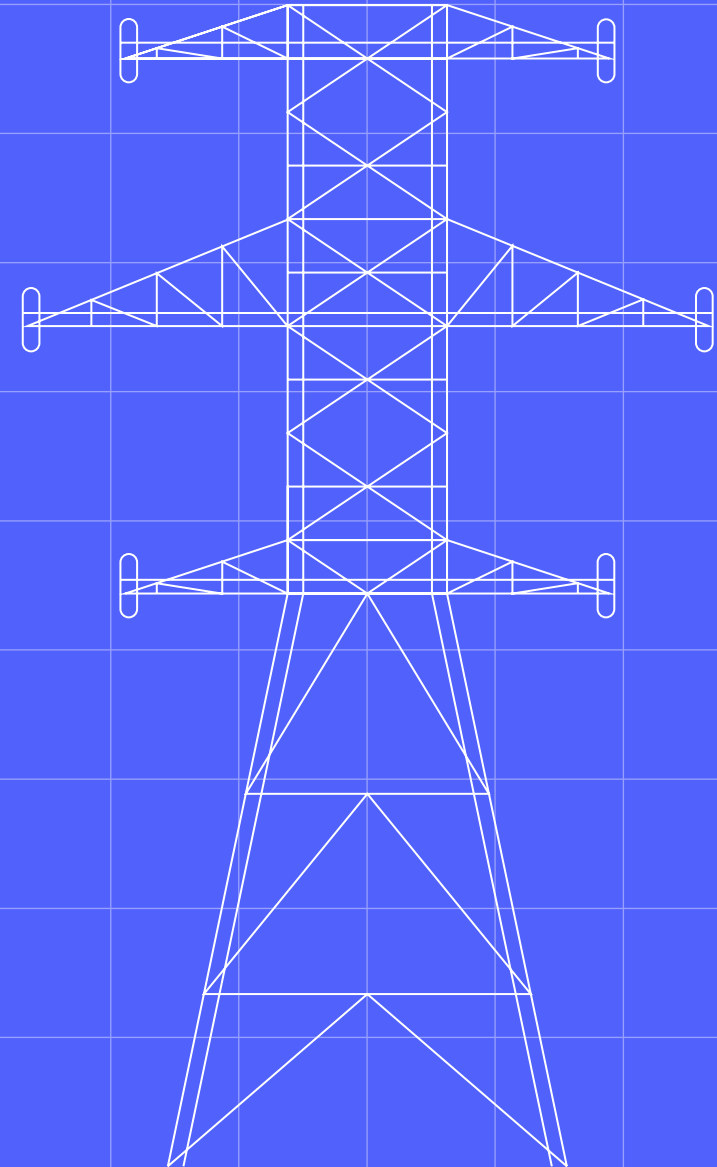
- Welcome the news that SIT commencement is still on track.
- Encourage all participants to actively engage with the Programme during the testing phase
- The Programme still remains a priority for Ofgem and DESNZ colleagues.

Programme Reporting

INFORMATION: Progress reporting against the Programme Plan

Programme (Keith Clark)

10 mins



MHHS Milestone Status (1)*

Milestone Tier	Milestone ID	Milestone Title	Baseline Date	Forecast Date	Previous RAG 6 th Sep	Current RAG 4 th Oct	Forecast RAG 30 th Oct	Commentary
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	Yellow	Blue	Grey	
T2	T2-RE-0200	Code drafting for BSC Central Services topic area approved	Thu 14/09/23	Wed 27/09/23	Green	Blue	Grey	
T3	T3-DB-0083	Interim release 5 Go live	Wed 04/10/23	Wed 04/10/23	Green	Blue	Grey	
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	Yellow	Yellow	Blue	Continuing to manage residual risks related to Core Capability Providers' readiness for early SIT CIT intervals. FTIG-identified blockers are largely addressed, and 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	Green	Green	Blue	Cohort 1 initial design assurance meetings are complete, Cohort 2 are largely complete and continuing. 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	Yellow	Yellow	Blue	Continuing to manage residual 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	Yellow	Yellow	Blue	Continuing to manage residual 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	Green	Green	Blue	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	Green	Green	Green	
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	Green	Green	Green	
T2	T2-RA-0200	Readiness Assessment 3 - Design & Build Checkpoint 1 - Completed (incl. Readiness Assessment Report approval)	Fri 13/11/23	Mon 13/11/23	Green	Green	Green	
T3	T3-TE-0090	Environment Approach and Plan - SIT Functional	Wed 15/11/23	Wed 15/11/23	Green	Green	Green	
T3	T3-TE-0061	Component Integration Testing Interval 2 Start	Mon 13/11/23	Mon 13/11/23	Green	Green	Green	

Milestone RAG definitions

Complete

On track

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

Unlikely to be met without escalated support

* All Tier 1 and Tier 2 milestones to 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 6 th Sep	Current RAG 4 th Oct	Forecast RAG 30 th Oct	Commentary
T3	T3-TE-0091	Environment Approach and Plan - Non SIT LDSO	Wed 15/11/23	Wed 15/11/23	Green	Green	Green	
T2	T2-DB-0250	Tranche 2 Transition Design Baselined	Thu 15/11/23	Wed 15/11/23	Red	Green	Green	CR031 date change from 03/08/23 approved at DAG
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	Green	Green	Green	
T2	T2-DB-0200	SIT PPs design assurance (excl Migration/Reverse Migration) complete	Wed 22/11/23	Wed 22/11/23	Green	Green	Green	
T2	T2-RE-0300	Code drafting for Governance and Qualification topic areas approved	Mon 22/11/23	Wed 22/11/23	Green	Green	Green	
T2	T2-RE-0400	Code drafting for Migration topic area approved	Wed 22/11/23	Wed 22/11/23	Green	Green	Green	
T3	T3-TE-0062	Component Integration Testing Interval 3 Start	Mon 27/11/23	Mon 27/11/23	Green	Green	Green	
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	Green	Green	Green	
T3	T3-TE-0063	Component Integration Testing Interval 4 Start	Mon 11/12/23	Mon 11/12/23	Green	Green	Green	

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

Milestone RAG definitions

Complete

On track

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

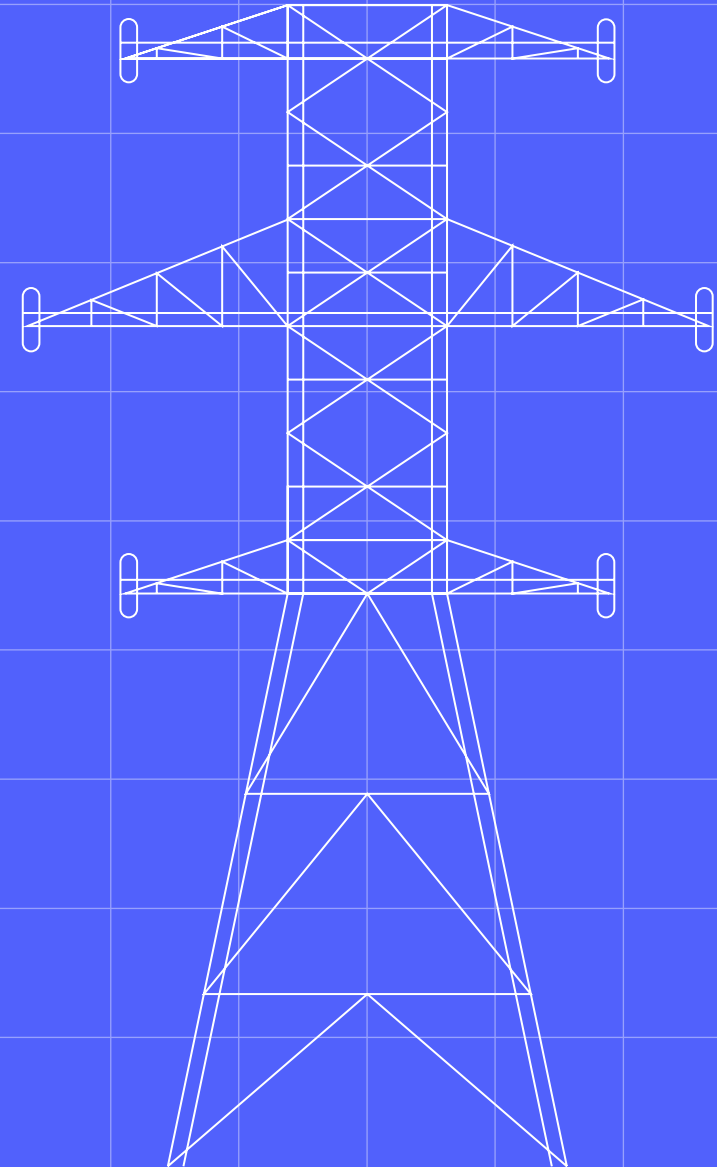
Unlikely to be met
without escalated
support

SASWG Output Report

INFORMATION:

Programme (Chris Welby)

10 mins



Introduction and Approach

Introduction – ‘What is CR013’



CR013, *Determining scope of examination of Settlement impacts resulting from MHHS Programme*, was raised in November 2022 to scope a potential future piece of analysis that would analyse the impacts on Settlement processes of moving to MHHS arrangements.

MHHS will impose significant changes to Settlement processes as it moves from a predominantly non-half hourly regime using estimation algorithms to actual consumption reads for the majority of sites. However, relatively little work has been done to investigate this impact to date.

Before undertaking analysis to understand what the quantitative impact will be on Settlement processes, it was agreed the preliminary piece of work should exclusively be a scoping exercise – this is CR013. The scoping phase would identify the areas of Settlement that would be impacted and therefore required further analysis, in addition to costing the work and setting out the potential next steps options to deliver the analysis itself.

If, upon the completion of CR013, it is decided to proceed with the analysis, this would need to be progressed under a separate and subsequent CR, or another route of facilitation if the analysis is to be progressed outside the MHHS Programme.

Approach – ‘How was CR013 delivered’



- It was agreed the most effective delivery approach would be under MHHS Programme governance.
- A new Working Group, the Settlement Analysis Scoping Working Group (SASWG), was initiated to deliver this work and convened every 3 weeks.
- The work was discussed, deliberated and delivered across five SASWG meetings.
- CR013 produced one key deliverable: A report that sets out the scope, approach, timescales, cost and resource requirements for the subsequent analysis. In effect, a Project Brief for the analysis. This report has been included as an annex to today’s PSG pack.

Executive Summary



Change Request 013 (CR013), Determining scope of examination of Settlement impacts resulting from Market-wide Half Hourly Settlement (MHHS) Programme, was raised in November 2022 to scope a potential future piece of analysis that would analyse the impacts on Settlement processes of moving to MHHS arrangements. MHHS will impose significant changes to Settlement processes, however relatively little work has been done to investigate this impact to date.

The CR013 work was progressed through a new Working Group convened under the MHHS Programme: the Settlement Analysis Scoping Working Group (SASWG). Through the SASWG, five key questions or hypotheses were chosen for investigation based on the areas Participants predicted the most significant impact, and this has formed the recommended scope of the future analysis.

These hypotheses cover topics such as the impact of new technologies on Load Shapes, the possible commercial Settlement benefits available to Suppliers during Migration, and the impact on Settlement accuracy of Final Reconciliation (RF) coming forwards to 4 months. The full title of each hypothesis can be found in Section 4 (Scope). Should the analysis go ahead, not all five hypotheses need to be investigated together. Participants can pick and choose those that they are most interested in seeing modelled.

Through the SASWG, the data required to model each hypothesis was also agreed on. This is presented in Appendix 3 (Data Required and Data Sources). The majority of this data would need to come from Suppliers and Elexon and the analysis would not be possible without it.

The costs and timescales for two different approaches have been estimated for each hypothesis: Option 1 involves the use of complex models provided by Elexon. Option 2, on the other hand, does not rely on any externally provided models, and instead solely consists of more basic Excel spreadsheet-style modelling. Option 1 would involve longer timescales and higher costs, but, in theory, a more reliable and accurate output than Option 2 and vice-versa. The pros and cons of each approach are weighed up in full at the beginning of Section 5 (Timescales) and Section 6 (Costs).

In terms of next steps, there are three different avenues to deliver the analysis.

1. Proceed with analysis under the MHHS Programme;
2. Proceed with analysis under an Elexon Issues Group;
3. Do not proceed with analysis undertaken by a Central Party, leaving Programme Participants to use this report as a basis for any internal analysis they choose to undertake.

A recommendation in terms of a preferred next steps approach has not been provided as part of this report. Instead, it will be up to Participants to collectively agree the most appropriate route forward and bring this proposal back to the Programme, Elexon or other third party as appropriate.

Hypotheses



As part of the CR013 work, the scope of the potential future analysis has been defined by focusing on a small number of key questions or hypotheses*.

These hypotheses would be modelled separately as part of the analysis and therefore, not all five hypotheses need to be investigated together. Participants can pick and choose those to be taken forward.

The hypotheses were chosen based on the areas where Participants anticipated the largest impacts and wanted to see modelled, in addition to only including those areas that could feasibly be modelled to a good level of accuracy and for which the data to undertake the analysis could be made available.

The hypotheses are listed on the right in descending priority order. This prioritisation has been informed by the areas where Participants predicted the most significant impact, in addition to the relative ease with which each hypothesis could be modelled and analysed.

*A list of other hypothesis areas which were considered, but not ultimately included as part of this final list, can be found within the CR013 Report.

1

New technologies commercially enabled by MHHS will cause Load Shapes to become increasingly unrepresentative of the Traditional / NHH Smart / NHH Advanced population they are applied to.

2

The rules in place throughout Migration may result in market distortion, and therefore there may be opportunity for Suppliers to benefit commercially by modifying their Migration plan to benefit from the state of legacy and / or MHHS Settlement at that particular point in time.

3

Increase in metered Export sites from <50k to ~1million MPANs will result in reduced GCF, especially in summer.

4

Smart / Advanced meter Load Shapes are not representative of the Traditional / NHH Smart / NHH Advanced population they are applied to. This will require modelling separately for Domestic and Non-Domestic.

- i. Domestic
- ii. Non-Domestic

5

Bringing RF forward to 4 months will have a negative impact on overall Settlement accuracy.

Timescales and Costs



The costs and timescales for two different approaches have been estimated for each hypothesis:

Option 1 – Use Elexon Models

- Longer timescales and higher costs;
- Average time and cost to investigate one hypothesis*: 7 months, £272k;
- Involves the use of sophisticated models only available through Elexon;
- In theory, should produce a more accurate and reliable output than Option 2.

Option 2 – Basic Spreadsheet Modelling

- Shorter timescales and lower costs;
- Average time and cost to investigate one hypothesis*: 4 months, £148k;
- Does not use any sophisticated models. Instead relies solely on modelling using Excel spreadsheets and a small number of supporting SQL databases;
- In theory, should produce a less accurate and reliable output than Option 1.

* There will be time and cost efficiencies that can be taken advantage of if it is decided to investigate multiple hypotheses together.

Options to Deliver the Analysis



There are three different avenues in terms of next steps to deliver the analysis. These are presented below.

A recommendation in terms of a preferred next steps approach has not been provided as part of the report. Instead, it will be up to Participants to collectively agree the most appropriate route forward and bring this proposal back to the Programme, Elexon or other third party as appropriate.

1. Proceed with analysis under the MHHS Programme;
2. Proceed with analysis under an Elexon Issues Group;
3. Do not proceed with analysis undertaken by a Central Party, leaving Programme Participants to use this report as a basis for any internal analysis they choose to undertake.

Decision on Approval of CR013 Report

No objections to approval were raised by Participants in the most recent SASWG where the report was reviewed and only two minor points of feedback were brought forward which have both now been addressed.

The PSG is invited to consider the following:

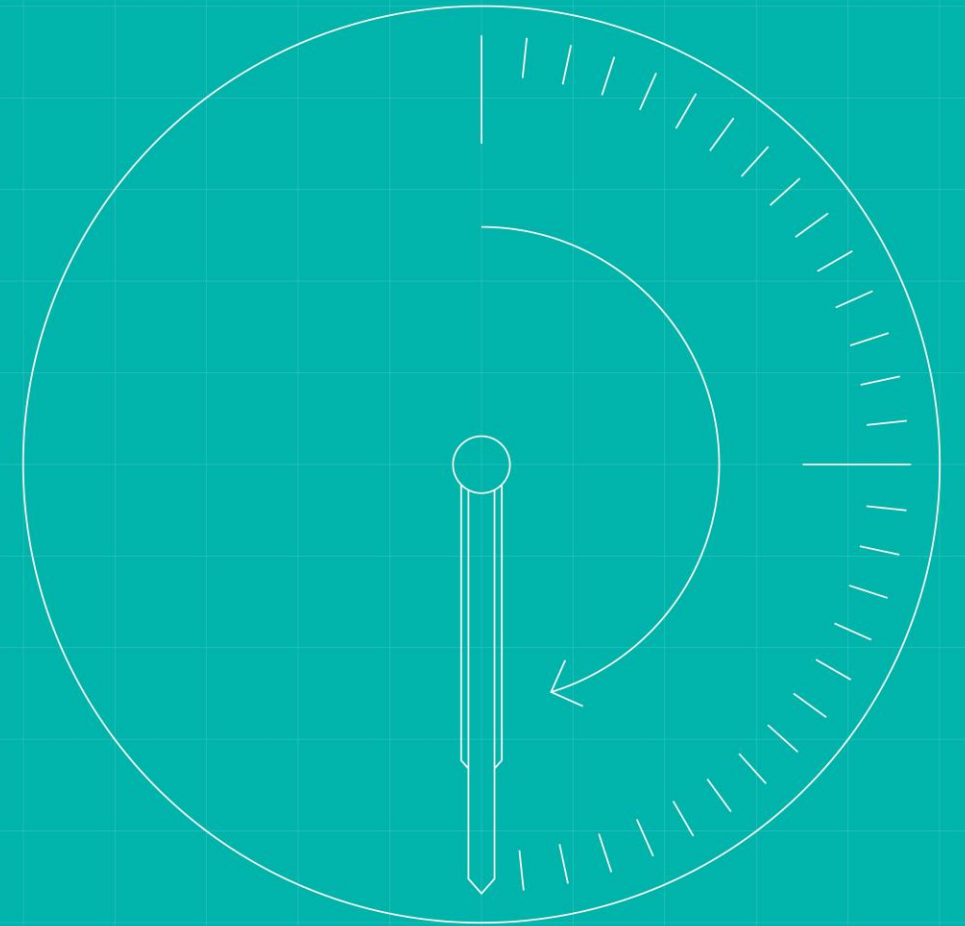
RECOMMENDATION	The recommendation from the SASWG is Option 1 – to approve the report
DECISION	The PSG are invited to make a decision on approval of the CR013 Report

Code Drafting Milestones

DECISION: Decision on recommendation from the CCAG to move code drafting milestones from Tier 2 to Tier 3

Programme (Chris Welby)

10 mins



Amending Code Drafting Milestones from Tier 2 to Tier 3 – PSG Decision

Complication Background

- Code milestones below the Tier 1 milestone (M6) are categorised as Tier 2 milestones
- Tier 2 milestones are defined as milestones, which impact multiple workstreams
- Tier 2 milestones, require a CR to amend them, and for the CR to be approved at the appropriate Level 2 or Level 3 decision group
- Tier 3 milestones are owned and managed by the appropriate Level 3 decision group e.g. CCAG
- To re-categorise the Code milestones from Tier 2 to Tier 3, CCAG and PSG recommendation/approval is required

CCAG Position

- The CCAG recommend the lower-level Code milestones should be categorised as Tier 3 milestones
- To be clear, this will mean that CCAG own the milestones and to change them a CR is not required

Recommendation

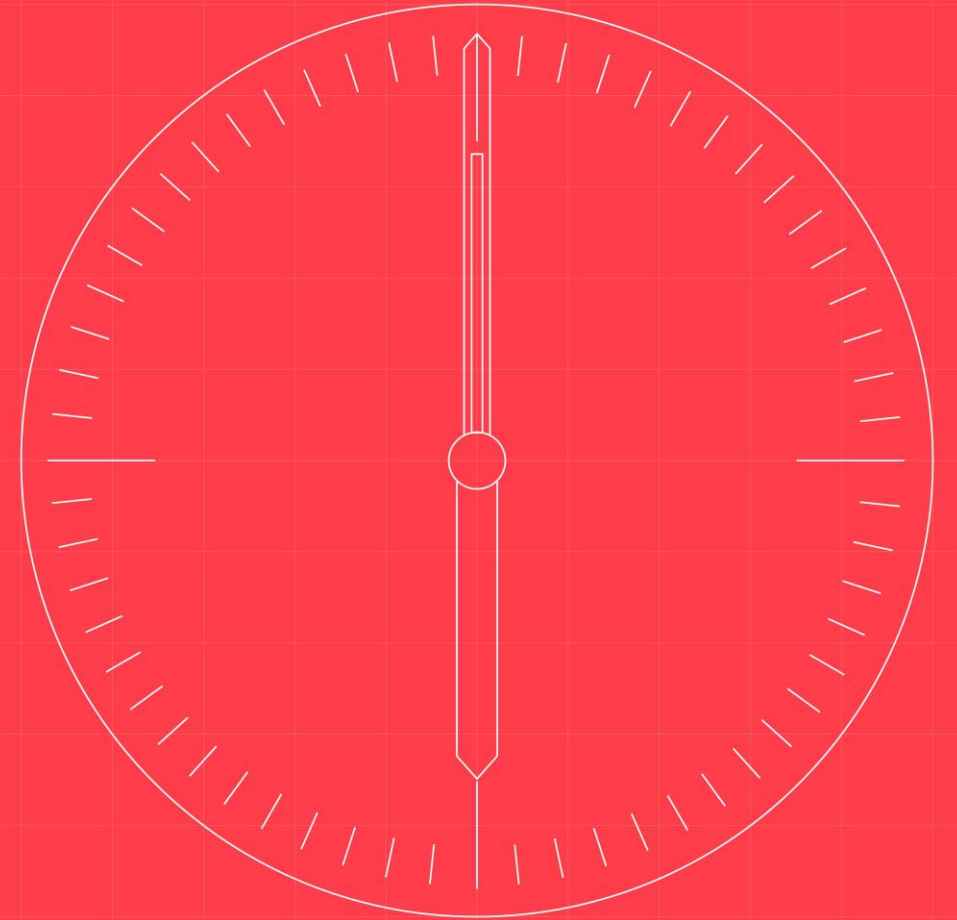
- It is therefore requested that PSG consider the CCAG recommendation above and approve/reject updating Code milestones from Tier 2, to Tier 3

M9 Dress Rehearsal

INFORMATION: Preparation for M9 decision and latest updates on SIT readiness and M9 commencement

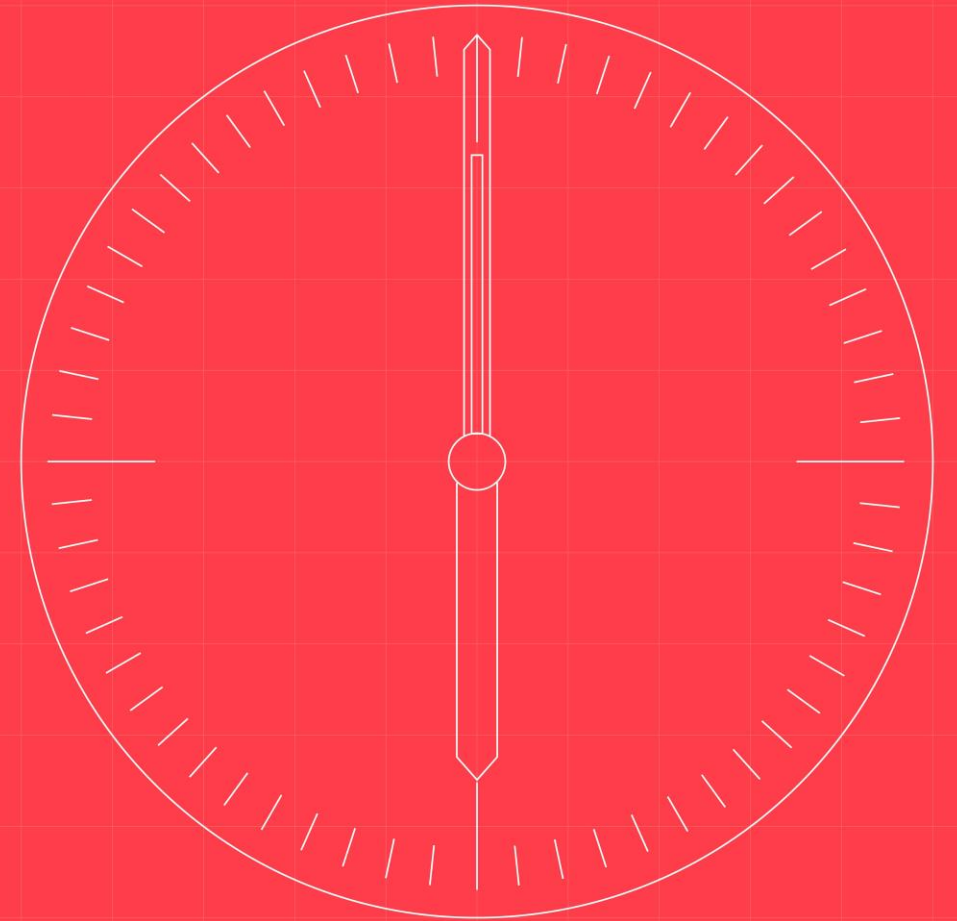
Programme (Keith Clark & Lee Cox)

30 mins



M9 Dress Rehearsal

Decision Process and Choreography

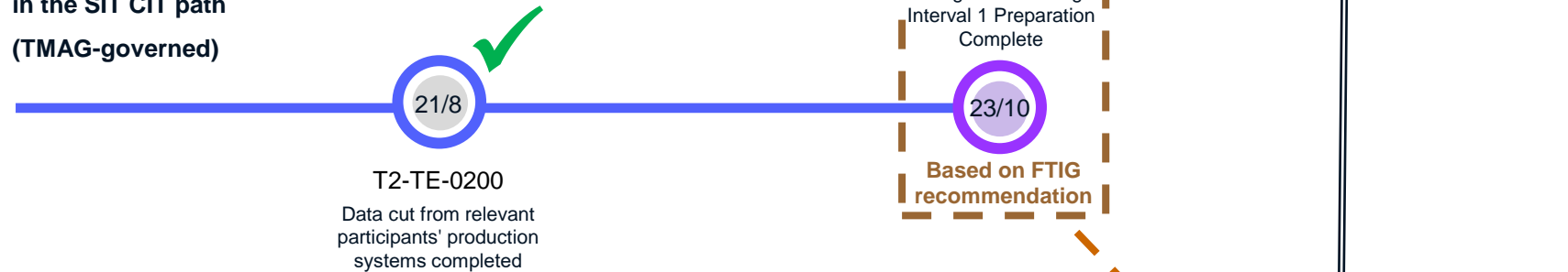


REMINDER: Overview of M9 Decision Choreography and High-Level Criteria

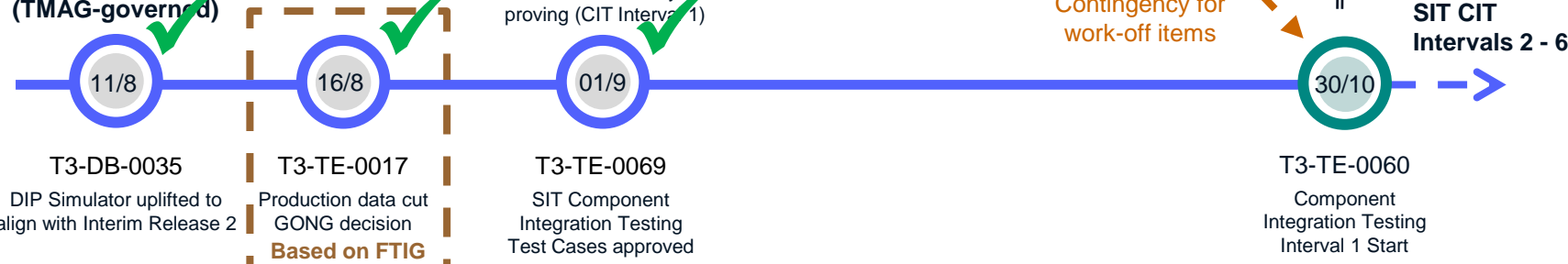
Tier 1 Milestones (PSG-governed)



Tier 2 Milestones in the SIT CIT path (TMAG-governed)



Tier 3 Milestones in the SIT CIT path (TMAG-governed)



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

M9 Dress Rehearsal – M9 Decision Checklist

Are parties ready to commence SIT?

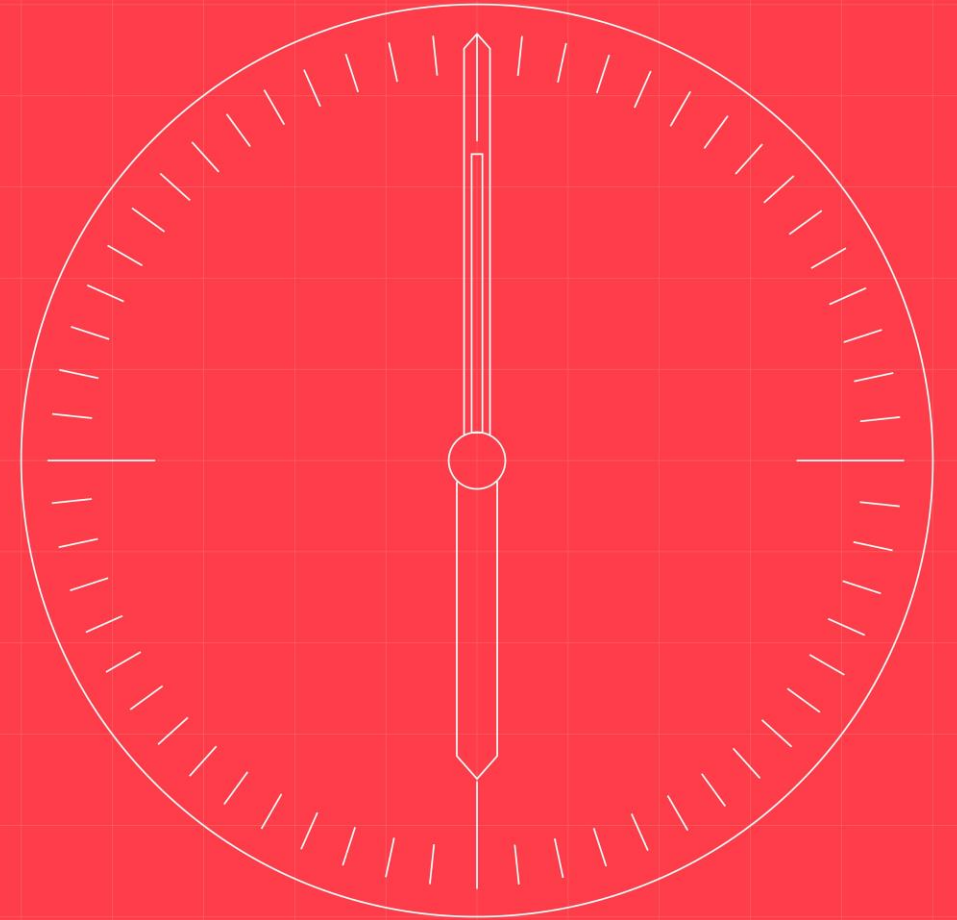
Can the programme demonstrate its readiness to proceed?

Are PSG and Ofgem comfortable it is right to approve M9 and for SIT to commence?

Decision Checklist Items		Slide	RAG	Commentary
Readiness of all SIT parties				
1	SIT - MVC Status	25		
2	SIT - Stage Statuses	26		
3	SIT - PIT progress and outlook	27		
4	SIT – Participants' Readiness and outlook	28		
5	FTIG Summary and Recommendation	29		
6	Tier 2 / Tier 3 Testing milestones status for M9	30		
7	Summary of LDP assurance findings	31		
8	Readiness Assessment 3 Initial Report	33		
Programme Readiness				
9	Control Point 2	35 - 38		
IPA and Ofgem views on M9				
11	IPA	39		
12	Ofgem	40		
Operation of M9 approval decision				
13	Confirming the recommendation and required decision Determining any conditions or actions attached to any approval	42 - 43		

M9 Dress Rehearsal

SIT Readiness



SIT - MVC Status

Core Capability Providers (CCPs)	Status	Comment
Elaxon (Helix)	Amber	PIT proceeding well and now compliant with PIT guidelines. Completion on track for CIT Interval 1 entry at M9. Helix are flagging risk around the scale of develop of development needed for IR5, particularly DAH and ability to complete development by SIT functional start. Helix to complete impact assessment on IR5 immediately following release on 4 Oct to explore options and feasibility in timescales.
DIP	Amber	PIT cycle 2 for IR1 in progress and on track for CIT start date Ongoing dialogue with MHHS team on two points: (1) provision of error codes (2) secondary routing – hence RAG is Amber
St Clements	Amber	Sprint 2 on track for CIT Interval 2 (IR2) Sprints 3-5 on track for CIT Interval 6 (IR2) albeit with little contingency – hence RAG will remain Amber Readiness for SIT Functional (IR5) also on track at this point
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	Ongoing dialogue re changes required to DTN Flows – should be complete in next month
LDP (SI)	Green	Test Assurance - activities underway for CIT Intervals 1-4. CIT - test scenarios approved, test cases now being phased and on track. Potential modification for secondary routing. SIT Functional - test scenarios and phased test cases approach & new timeline being agreed with industry Data – on track regarding augmentation. All but two DSA received, being superseded by MOD approved by Ofgem 22/9. Data Transfer (SFTP) guidance for CIT released, 70% responses received and chasing remainder

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)

CCP Readiness for M9

Expected to be ready	Likely to be ready if risks are mitigated	Unlikely to be ready
----------------------	---	----------------------

SIT - Stage Statuses

Test Stage	Status	Comment
CIT	Amber	<p><u>Overall</u></p> <p>Test execution commences: 30-Oct</p> <p>Test Approach (plus associated Test Data) Approach and Plans: Approved @TMAG 19-Jul</p> <p>Test Scenarios: Approved @ at eTMAG 30-Aug</p> <p>Test cases: Plan to deliver in 3 Batches agreed through Governance:</p> <ul style="list-style-type: none"> • 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
		<p><u>Interval 1 – DIP</u></p> <p>PIT Execution started against IR1. Due to complete 09-Oct IR2 Uplift & Test 10-23 Oct Approach & Plan – SRO Approved, SI Assurance Reviews complete</p>
		<p><u>Interval 1 – Helix</u></p> <p>PIT Execution nearing completion, Due to complete 29-Sep Agreement reached for Helix testing against DIP Simulator Approach & Plan – SI Assurance Reviews complete</p>
<p><u>Interval 2-6</u></p> <p>Interval 2 – St Clements, all on track Interval 3 – All PIT Documentation Received and under review Interval 4 – 95% PIT Documentation Received and under review Interval 5 – All Test Approach and Plans received Interval 6 – Not started</p>		
Functional	Amber	<p>Test execution commences: 11-Mar-24</p> <p>Test Approach (plus associated Test Data) Approach and Plans: Approved @TMAG 16-Aug</p> <p>Test Scenarios (IR2 Aligned) completed 10-day Industry Assurance Review 05-Sep</p> <p>Test Scenarios and Test Cases, revised delivery approach socialised with SITWG and TMAG. Need to publish delivery plan and obtain Oct TMAG Approval</p>
Migration	Green	<p>Test execution commences: 10-Jun-24</p> <p>Test Approach (plus associated Test Data) Approach and Plans: Planned – Industry Consultation 26-Oct, TMAG Approval 20-Dec</p> <p>Test Scenarios & Test Cases: Delivery plans to be shared and agreed, forecast approval March 24</p> <p>Note – Migration Design complete and follows existing Business Processes with relevant deviations to enact migration. Migration Testing will therefore follow SIT Functional Testing with relevant deviations</p>
Non-Functional	Green	<p>Test execution commences: 02-Sep-24</p> <p>Test Approach (plus associated Test Data) Approach and Plans: Planned – Industry Consultation 25-Jan, TMAG Approval 20-Mar</p> <p>Test Scenarios & Test Cases: Delivery plans to be shared and agreed, forecast approval May 24</p> <p>Note – Non-Functional Requirements allocation across PIT and SIT to be socialized in September NFTWG.</p>
Operational	Green	<p>Test execution commences: 07-Oct-24</p> <p>Test Approach (plus associated Test Data) Approach and Plans: Planned – Industry Consultation 21-Mar, TMAG Approval 15-May</p> <p>Test Scenarios & Test Cases: Delivery plans to be shared and agreed, forecast approval July 24</p>

SIT Stage Readiness for M9

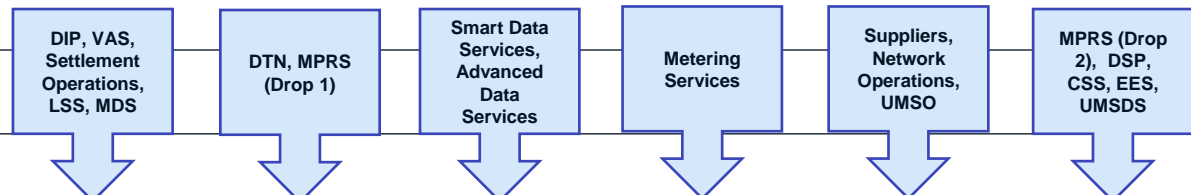
On track per programme plan

Will meet programme plan if risks are mitigated

Unlikely to comply with programme plan

Document Classification: Public

SIT - PIT Progress and Outlook

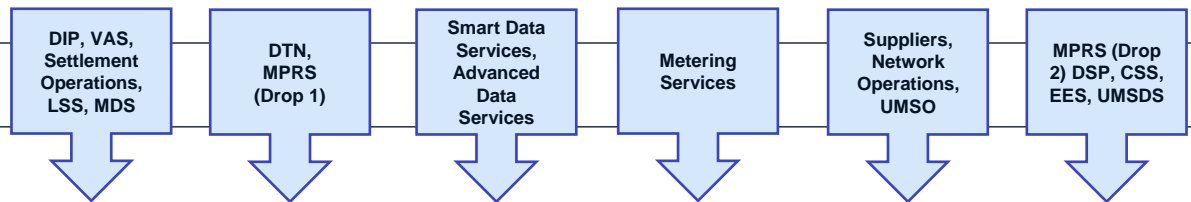


PIT Deliverables

Activity / Milestone	Notes	CIT Interval 1	CIT Interval 2	CIT Interval 3	CIT Interval 4	CIT Interval 5	CIT Interval 6
PIT Approach and Plan	At least 12 Weeks before PP Final Test Completion Report	07 th July 23 (No later than**)	28 th July 23 (No later than**)	11 th Aug 23 (No later than**)	25 th Aug 23 (No later than**)	15 th Sep 23 (No later than**)	13 th Oct 23 (No later than**)
Assurance of PIT Approach and Plan	+ 10 days to assure	21 st July 23	10 th Aug 23	25 th Aug 23	8 th Sep 23	29 th Sep 23	27 th Oct 23
PIT Test Readiness Report	To be submitted every two weeks on a Friday after issuing PIT Approach and Plan, until the start of PIT test execution	21 st July 23****	10 th Aug 23****	25 th Aug 23****	8 th Sep 23****	29 th Sep 23****	27 th Oct 23****
PIT Requirements to Test Traceability Matrix	At least 4 weeks after test approach and this will be updated during test execution	4 th Aug 23**	1 st Sep 23**	8 th Sep 23**	15 th Sep 23**	06 th Oct 23**	10 th Nov 23**
Assurance of Requirements to Test Traceability Matrix	+10 days and will be assured before test execution and will be ongoing as part of test completion	18 Aug 23	15 th Sep 23	22 nd Sep 23	29 th Sep 23	20 th Oct 23	24 th Nov 23
PIT Test Scenarios	Issued same day as RTTM	4 th Aug 23**	1 st Sep 23**	8 th Sep 23**	15 th Sep 23**	06 th Oct 23**	10 th Nov 23**
Assurance of PIT Test Scenarios	+10 days and will be assured before test execution and will be ongoing as part of test completion	18 Aug 23	15 th Sep 23	22 nd Sep 23	29 th Sep 23	20 th Oct 23	24 th Nov 23
PIT Test Execution Progress Report	Every Month following start of test execution and on a weekly basis in the last 4 weeks before completion of testing	22 nd Sep 23 ***	13 th Oct 23 ***	27 th Oct 23 ***	<div style="border: 1px dashed black; padding: 5px;"> Key / Notes <ul style="list-style-type: none"> Text PIT assurance reviews have occurred but there are assurance comments to resolve. Text PIT Readiness reports have not commenced for all PPs TTM & Test Scenarios Assurance reviews are underway but tracking behind plan Int 1 DIP IR1 PIT Completion tracking to baseline plan. DIP IR2 PIT tracking to revised dates and currently reported as on track. Int 1 Helix Draft PIT Completion report is pending. </div>		
PIT Execution	Assumption that execution runs up to PIT completion report submitted	29 th Sep 23 (No later than**)	20 th Oct 23 (No later than**)	3 rd Nov 23 (No later than**)			
PPs Issue Draft PIT** Completion Report	A draft of the PIT test completion report to be submitted no later than 15 working days before the planned end of test execution	8 th Sep 23 (No later than**)	29 th Sep 23 (No later than**)	13 th Oct 23 (No later than**)			
Draft PIT Completion Reports assured by SI		29 th Sep 23	20 th Oct 23	3 rd Nov 23			
PPs Issue Final PIT Completion Report	Final report allowing for any test completion delta	29 th Sep 23 (No later than**)	20 th Oct 23 (No later than**)	3 rd Nov 23 (No later than**)			
PP Final PIT Completion Reports assured by SI	5 working days for review	6 th Oct 23	27 th Oct 23	10 th Nov 23			
SIT CIT Ready to Start (TMAG Milestone)	TMAG Milestone - 1 week prior to CIT Start for each CIT Interval	23 rd Oct 23	6 th Nov 23	20 th Nov 23			
SIT CIT Start	CIT Interval 1 Start = PSG Milestone (M9)	30 th Oct 23	13 th Nov 23	27 th Nov 23			

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 accordingly 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
Note 3 *** – For the purpose of this plan, this is the final test execution progress report for the final month. In the final month, the requirement is to provide a weekly report and the monthly report is required to be provided once a month.
Note 4 **** – For the purpose of this plan, this is the first PIT test readiness report we will be expecting from PPs. This will be submitted every two weeks on a Friday after issuing PIT Approach and Plan, until the start of PIT test execution.

SIT – Participants’ Readiness and Outlook



SIT CIT Readiness

Activity / Milestone	Notes	CIT Interval 1	CIT Interval 2	CIT Interval 3	CIT Interval 4	CIT Interval 5	CIT Interval 6
SIT CIT Start	CIT Interval 1 Start = PSG Milestone (M9)	30 th Oct 23	13 th Nov 23	27 th Nov 23	11 th Dec 23	15 th Jan 24*	29 th Jan 24
SIT CIT Ready to Start (TMAG Milestone)	TMAG Milestone - 1 week prior to CIT Start for each CIT Interval	23 rd Oct 23	6 th Nov 23	20 th Nov 23	Status Notes <ul style="list-style-type: none"> Int 1 DIP IR1 PIT Completion tracking to baseline plan. DIP IR2 PIT tracking to revised dates (see SIT Tracker) and currently reported as on track. Int 1 Helix Draft PIT Completion report is pending. 		
DIP Onboarding Complete		13 th Oct 23	20 th Oct 23	10 th Nov 23			
SI Overarching CIT Test Readiness Report reviewed by SITWG / IPA	• 5 working days for review	13 th Oct 23	3 rd Nov 23	17 th Nov 23			
Interval Participants ready to commence DIP Onboarding		9 th Oct 23	16 th Oct 23	30 th Oct 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	6 th Oct 23	27 th Oct 23	10 th Nov 23			
PP CIT Test Readiness Reports Assured by SI	5 working days for review	6 th Oct 23	27 th Oct 23	10 th Nov 23	24 th Nov 23	15 th Dec 23	12 th Jan 24
PPs Issue CIT Test Readiness Reports		29 th Sep 23	20 th Oct 23	3 rd Nov 23	17 th Nov 23	8 th Dec 23	5 th Jan 24
Test Data Load and Verification Complete	Period of 4 weeks prior to PP CIT Test Readiness Report	29 th Sep 23	20 th Oct 23	3 rd Nov 23	17 th Nov 23	8 th Dec 23	5 th Jan 24
MHHS code deployed to SIT PPs' environments	Period of 2 weeks prior to PP CIT Test Readiness Report	29 th Sep 23	20 th Oct 23	3 rd Nov 23	17 th Nov 23	8 th Dec 23	5 th Jan 24
Internal Environment Connectivity Proving Complete		13 th Oct 23	20 th Oct 23	10 th Nov 23	24 th Nov 23	8 th Dec 23	8 th Dec 23
SIT PPs' environments ready to start Connectivity Proving – Part 1 (Int. connectivity)		1 st Sep 23	25 th Sep 23	6 th Oct 23	20 th Oct 23	10 th Nov 23	24 th Nov 23
PP Final PIT Completion Reports assured by SI	5 working days for review	6 th Oct 23	27 th Oct 23	10 th Nov 23	24 th Nov 23	15 th Dec 23	12 th Jan 24
PPs Issue Final PIT Completion Report	Final report allowing for any test completion delta	29 th Sep 23 (No later than**)	20 th Oct 23 (No later than**)	3 rd Nov 23 (No later than**)	17 th Nov 23 (No later than**)	8 th Dec 23 (No later than**)	5 th Jan 24 (No later than**)
Draft PIT Completion Reports assured by SI		29 th Sep 23	20 th Oct 23	3 rd Nov 23	17 th Nov 23	8 th Dec 23	5 th Jan 24
PPs Issue Draft PIT** Completion Report	A draft of the PIT test completion report to be submitted no later than 15 working days before the planned end of test execution	8 th Sep 23 (No later than**)	29 th Sep 23 (No later than**)	13 th Oct 23 (No later than**)	27 th Oct 23 (No later than**)	17 th Nov 23 (No later than**)	1 st 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 accordingly 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

- 14 FTIG held (by PSG date)
- Good attendance from PPs
- Collaborative and cooperative environment
- Started fortnightly - now a weekly 45 minutes session
- Focus remains on raising/sharing material blockers and key concerns, discussing potential solutions and agreeing a way forward e.g. Move from IR6 to IR 5 for SIT Functional Testing
- Using FTIG to make recommendations to TMAG/PSG e.g. ready for data cut in Aug, will make a recommendation on 27 Oct to feed into M9 decision
- 54 blockers raised on the Obstacles Tracker of which 42 closed, 12 open but not all impacting M9
- 1 new blocker raised in last two weeks
- **PP and IPA comments on FTIG to be added for the PSG 30 October 2023**

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
 Edware 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
 Utiliteam
 Wheatley Solutions

Tier 2 / Tier 3 Testing milestones status for M9

This slide will inform PSG of TMAG decisions on:

T2-TE-0250 (decision to be made on 23-Oct, supported by FTIG view)
[SIT Component Integration Testing Interval 1 Preparation Complete]

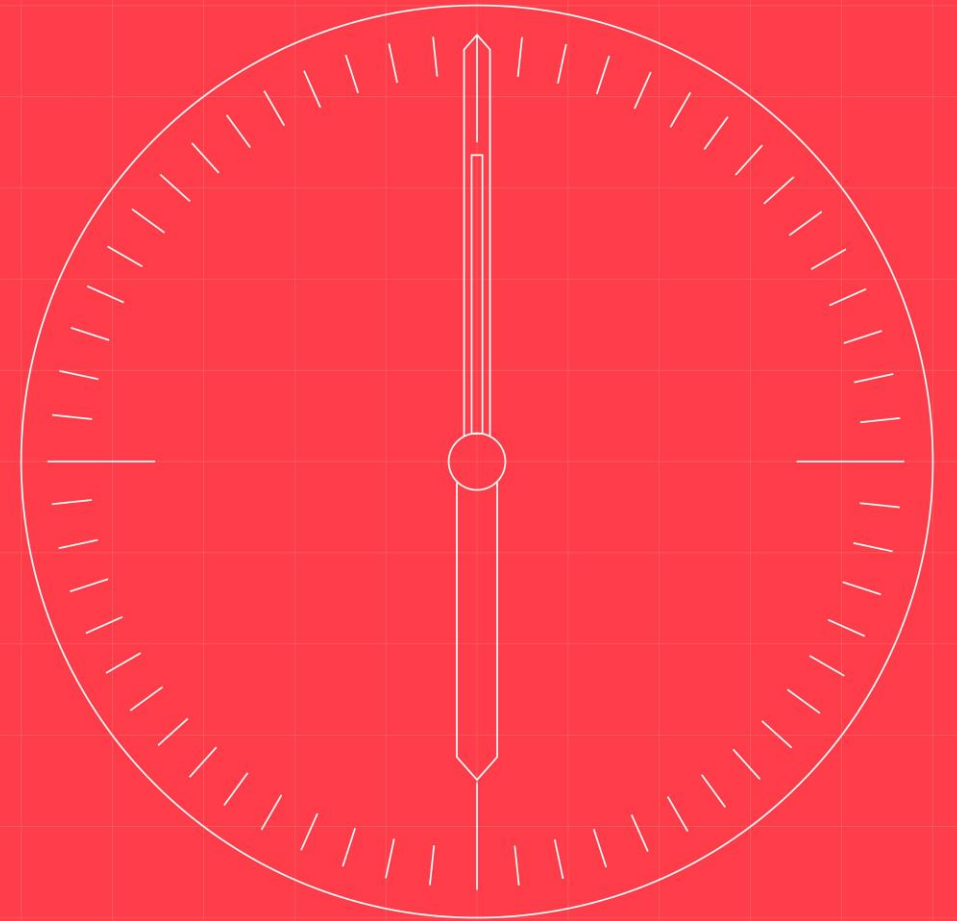
T3-TE-0060 (decision to be made on 30-Oct, supported by FTIG view)
[Component Integration Testing Interval 1 Start], any approval will be contingent on PSG M9 approval

Summary of LDP Assurance Findings

This slide will show a thematic summary of observations and findings from the programme team's Delivery and Design Assurance activities in the last 3 months

M9 Dress Rehearsal

Readiness Assessment 3



Readiness Assessment 2

The response rate for RA2 was very encouraging in terms of market share for key constituents such as suppliers, DNOs and Agents. The self-assessment for DBT readiness at M3 was good as **100%** of DNOs and **68%** of suppliers were ready to start DBT at M3, with **>80%** due to be ready by the end of the year. The aspect of RA2 that could be improved was the evidence uploaded by participants to support claims of DBT readiness at M3.

Response Rate

- The RA2 response rate was **53%**, an increase compared to RA1 at **46%**.
- This includes **98%** of the Supplier market by MPANs, **100%** of DNOs, **100%** of Central Parties and **81%** of Agents by market share.
- Non-responders may be escalated in Dec '22 (TBC).

DBT Readiness (self-assessment)

- **60%** of RA2 respondents were ready to start DBT at M3. This represents **68%** of the market.
- **100%** of DNOs and **68%** of suppliers were ready to start DBT at M3 by the end of Nov.

DBT Readiness (PPC assessment)

- The evidence submitted to support claims of M3 readiness was below expectations. Many participants submitted no evidence or did not meet the standards for evidence set out in RA2.
- Most participants met just **1** or **2** of the **5** criteria for DBT readiness outlined in CR009.

**Example:
PSG slide from Readiness
Assessment 2 review
(Nov-22)**

Key Themes of the Deep-Dive Interviews



Fears of regret spend prior to M5 & re-design

Many organisations were awaiting a baseline design and replan before committing to DBT readiness. A majority of DBT readiness showed a lack of confidence in the priority of the supplier, DNO and Agent to start DBT. Participants expect to start DBT this year.



Competing Priorities

For some organisations managing multiple projects, implementation and Fast Track may be higher priorities than M3. Participants with a strong appetite for SIT are keen to participate in DBT, and many others are awaiting more details before making a decision.



DBT Readiness often ahead of schedule

Differing interpretations of 'DBT' mean that some participants are ahead of schedule and have already prepared to begin technical design on 1st November.

Comms & Engagement

The vast majority of participants gave positive responses about the MHHS comms and engagement, averaging a score of 4.6 / 6.



Some Software Providers are disengaged

The response rate from Software Providers was low (34%) and their deep-dives revealed a lack of readiness in some cases.



Some Small and I&C Suppliers are not ready to start DBT

The self-assessment of readiness for DBT among Small and I&C Suppliers was low (23% and 22% of all such organisations).

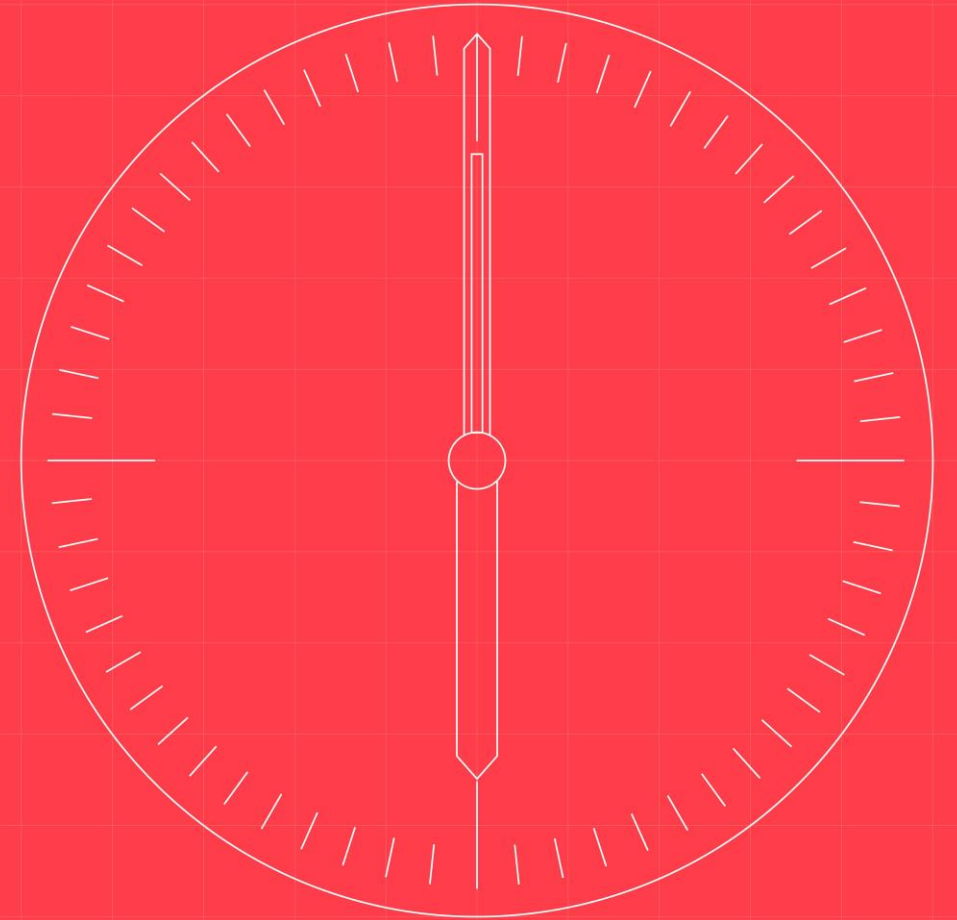


Evidence for M3 readiness is limited

As stated above, the evidence submitted by participants to support their claims of DBT readiness was below expectations.

M9 Dress Rehearsal

Control Point 2 Review



Control Point 1 – Overall Summary

Control Point 1 Decision Recommendation

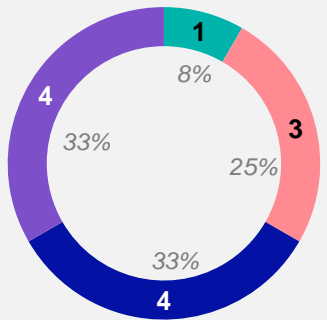
Continue

(not conditional – improvement recommendations do not require the programme to be paused or stopped)

Overall Programme Health Rating

Satisfactory

Health Indicator Assessment Ratings



- Exemplar
- Good
- Satisfactory
- Requires improvement

Programme Health summary

The Programme has decided to Continue into the Design, Build and Operate phase with a ‘Satisfactory’ Programme Health rating. Actions proposed as part of the Control Point review do not require the programme to be paused or stopped, although are important for setting the Programme up, and continuing to be, in the best position going into and delivering the DBT phase.

The bottom-up assessment of the 12 Programme Health Indicators across Good (3), Satisfactory (4) and Requires improvement (4). One Indicator (Outcomes) was rated as Exemplar. The Programme’s baselines and ability to manage Programme and Participants’ delivery against those baselines were themes throughout. The Requires improvement focus primarily on Programme and Participants’ readiness for delivery in the DBT phase. Overall, we feel that the Programme’s performance and the aggregated view of all assessments are enough to warrant a Conditional Continue/Pause decision.

Seven strategic themes and strategic actions were identified from the Control Point 1 review. The Programme will use these, together with an action list built from Health Indicator Assessments, to drive continuous improvement against the ‘Satisfactory’ Health Rating across the DBT phase.

Seven strategic themes

- 1. Delivery:** Continue to build on the success of the Programme plan; Participants’ delivery, and having robust monitoring and escalation processes in place, and having robust monitoring and escalation processes in place.
- 2. Rhythm:** Move to a more predictable and reliable delivery of customer benefits as early as possible, while not losing industry (and ourselves) sight of the long-term value of the programme.
- 3. MHHSP:** As a highly valued, we continue to monitor our resource capacity and ensure that all participants work together to deliver our common outcomes.
- 4. Industry ecosystem:** Demonstrate delivery leadership while building a strong industry ecosystem’ believes in and is committed to the success of the programme.
- 5. Continuous Improvement:** Make continuous improvement a part of our culture and deliver on our promise of an industry-led, Elexon facilitated programme model.
- 6. Risk:** Ensure we have the capacity and capability to deliver the inevitable programme change and to proactively manage RAID.
- 7. Outcomes:** Build on successful early benefits tracking with additional measures established and monitored, with an outcomes-focused mindset.

Example: PSG slide from Control Point 1 review (Nov-22)

	Health Indicator	Health Rating
Delivery	Delivery in previous phase	Satisfactory
	Delivery to Control Point 2	Requires improvement
	Programme plan	Requires improvement
	Change	Requires improvement
	Risk	Satisfactory
	Outcomes	Exemplar
Ways of working	Financial outlook	Good
	Strategies and approaches	Good
	Delivery rhythm	Good
People	Continuous improvement	Requires improvement
	MHHSP view of Programme Participants and industry	Satisfactory
	MHHSP people	Satisfactory

Control Point 1 – Strategic Review Summary

Topic	Theme	Action Areas
1. Delivery	Continue to build confidence in: our ability to deliver the Programme plan; Participants' ability to deliver their plans; and having robust monitoring and escalation in place to ensure both	<ul style="list-style-type: none"> a) Determine how many, what detail, and from whom DBT plans are required to ensure this information is sourced through Round 3 replan or the PPC b) Review the stakeholder engagement approach (particularly) <ul style="list-style-type: none"> • Identify organisations critical to delivery (i.e. critical path) • Identify the Programme sponsors in these organisations • Ensure the stakeholder engagement approach is appropriate with appropriate senior engagement from the MHHSP c) Determine the combination of early adopters required (who is willing to be an early adopter) and when they can be accommodated in the plan. If there are gaps in required and actual
2. Rhythm	Move the programme fast enough to enable delivery of customer benefits as early as possible whilst ensuring we don't lose industry (and ourselves) as we go	<ul style="list-style-type: none"> a) Focus planning, testing and migration and communicate what we need and b) Schedule a session with Program
3. MHHSP People	Ensure individuals feel valued, we continue to monitor our resourcing, and that SRO and LDP teams work together to deliver our common outcomes	<ul style="list-style-type: none"> a) Improve dependency management b) Review key program
4. Industry commitment	Demonstrate delivery leadership while building a programme that the whole 'industry ecosystem' believes in and is committed to	<ul style="list-style-type: none"> a) Work to fill b) As per
5. Delivery Strategies and Continuous Improvement	Make continuous improvement an intrinsic part of our culture and deliver on our promise of an innovative industry programme model	<ul style="list-style-type: none"> a) ... b) ...
6. Change and risk	Ensure we have the capacity capability to deliver the inevitable future programme change and to proactively manage RAID	<ul style="list-style-type: none"> a) ... b) ...
7. Outcomes	Build on successful early benefits tracking with additional measures established and monitored, with an outcomes-focused mindset	<ul style="list-style-type: none"> a) ... b) ...

Example:
 PSG slide from Control Point 1 review
 (Nov-22)

Control Point 1 – Health Check Review Summary (3 of 6)

Indicator	Rating	Assessment summary	Recommendations and next steps
<p>Change: Understand the volume and nature of change, and its root causes, and what this tells us about Programme stability. Ensure change is being managed effectively</p>	Requires improvement	<p>There has not been a large volume of change on the Programme to date, but there has been enough to stress-test the process generally. The changes to the Programme include:</p> <ol style="list-style-type: none"> 1) the programme timelines, likely due to the lack of a robust baseline and a clear governance framework, as the framework has needed to evolve as the Programme has mobilised. <p>We believe change has so far been managed well by the Programme team. The Change Control process has worked effectively to date.</p> <p>Change control will become more important in the future as the Programme design must be carefully managed. The Programme team should continue to monitor processes and overarching governance needs, and address any queries / issues – and possibly, change the process if needed.</p>	<p>Complete confirmation of the detailed design change management processes to the Programme team, together with the set-up of a Design Authority</p> <p>Identify opportunities to improve impact assessment engagement with Medium, Large and Critical Suppliers and Supplier Agents, to improve the number of CR responses in the future</p> <p>Work for ways to automate the impact assessment process</p> <p>Introduce a pipeline report at Change Board</p> <p>Consider a formal survey to gauge Participant views on the change process</p>
<p>Risk (Programme): Understand how much individual and cumulative risk there is, and if this is acceptable and manageable</p>	Satisfactory	<p>We have reviewed individual risks and the programme overall, and this is manageable via existing RAID processes. The programme and where the risks are outside of existing delivery plans is the opportunity to focus on the risks.</p> <p>The Programme team have associated mitigating actions in place. The risks are potential, but in line with expectation. The risk for DPM is mitigated and reducing.</p>	<ul style="list-style-type: none"> • PSG has oversight of key risk themes and major underpinning individual risks • PSG risk deep dives should be considered • Work with RAID manager to build even more proactive management, particularly on assumptions / dependencies
<p>Risk (management and process): Ensure risk is being managed effectively</p>	Satisfactory	<p>The Programme team are effectively, with 450+ items managed and a strong focus on industry engagement with the RAID log. The RAID log is being used effectively using the RAID log.</p> <p>Although there is always room for more focus on the programme team. There should be a focus on the RAID log and escalation.</p>	<ul style="list-style-type: none"> • Work with PPC and Governance groups to increase external engagement with the programme RAID log – introduce regular RAID reporting at Level 3 governance groups, encourage uptake of the RAID input form, and engagement with and use of the dPMO • Ask for more visibility of PPs' RAID logs as part of future engagements

1 of 6 PSG slides from Control Point 1 review (Nov-22)

SRO Control Point 2 Decision




Individual Health Indicator assessments

The assessment for each Health Indicator has covered an objective (what it is assessing and why), the assessment findings, and any recommendations/next steps. Assessment outputs have been used to inform a rating for each Health Indicator:

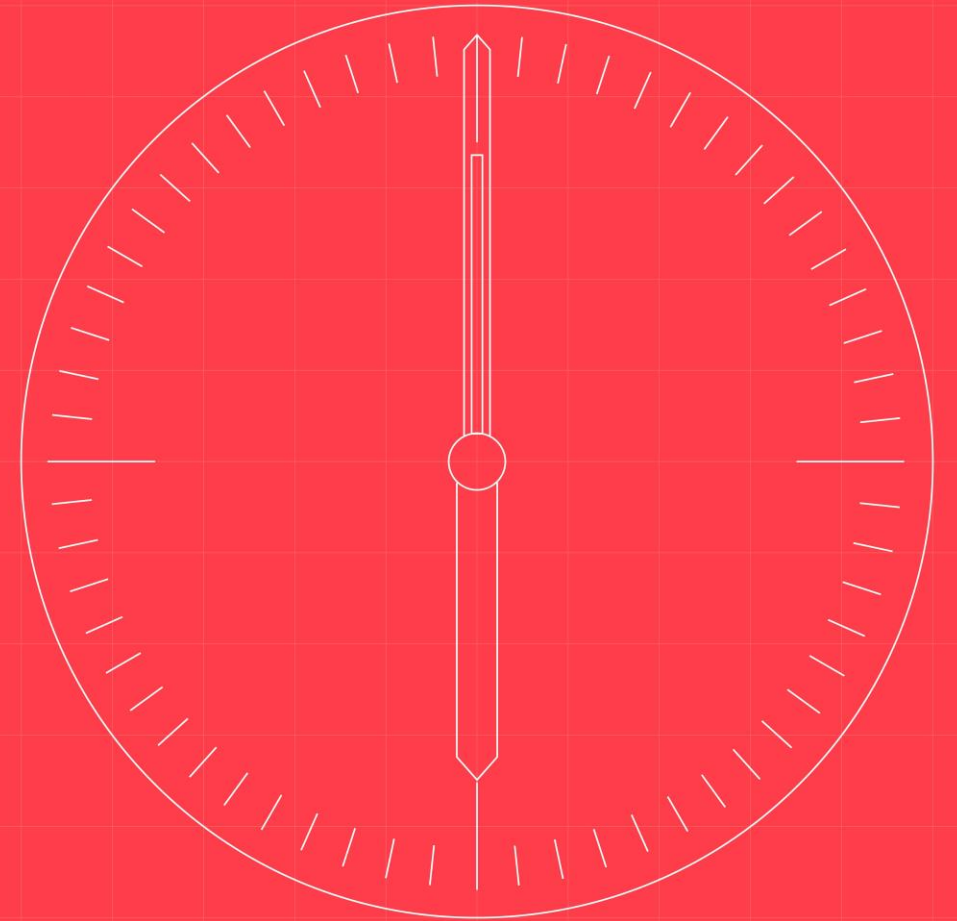
1. Exemplar
2. Good
3. Satisfactory
4. Requires improvement
5. Requires significant improvement

The collective view of all Health Indicators has been used to inform an overall Programme decision recommendation. It is likely that the final decision will combine assessments with the strategic view on 'how we feel' more generally

Overall Programme decision

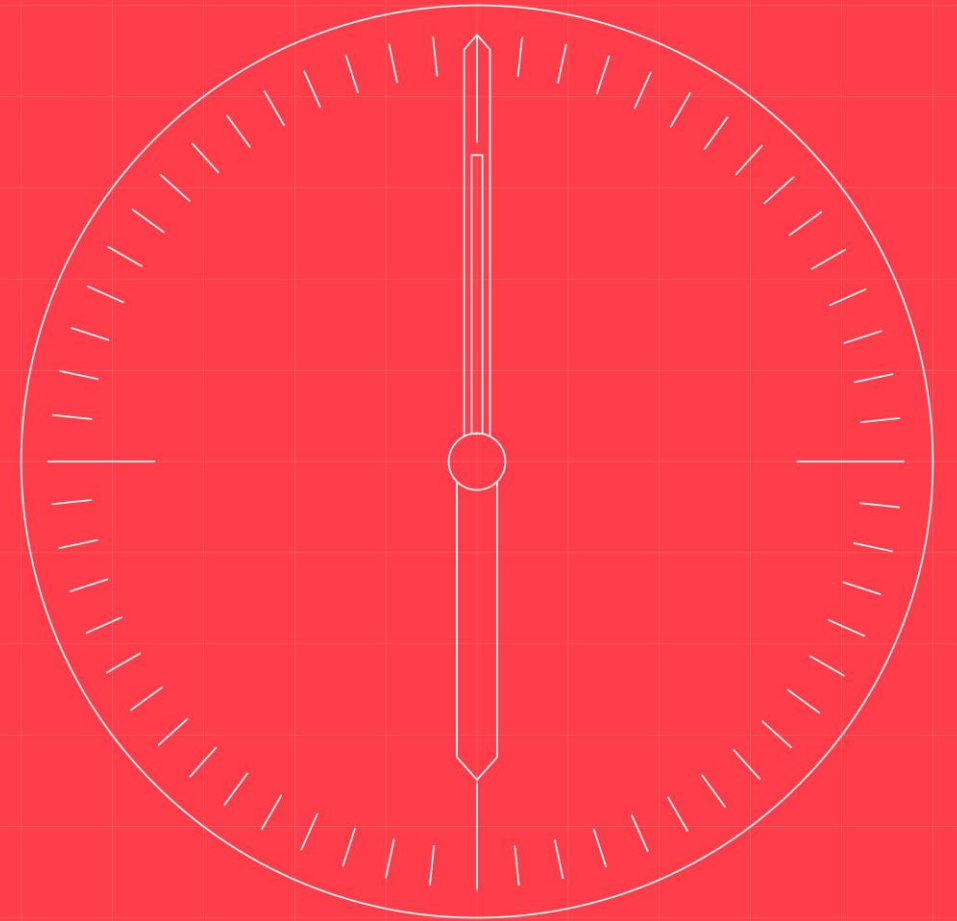
Decision	Meaning	Implications of recommendations
 Continue	The Programme has satisfactorily delivered the previous phase and is set up to successfully deliver the next phase to the required standard	Recommendations are small-scale and not likely to require significant changes via Change Control
 Conditional 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 (and to Ofgem if required)
 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)

M9 Dress Rehearsal IPA Report



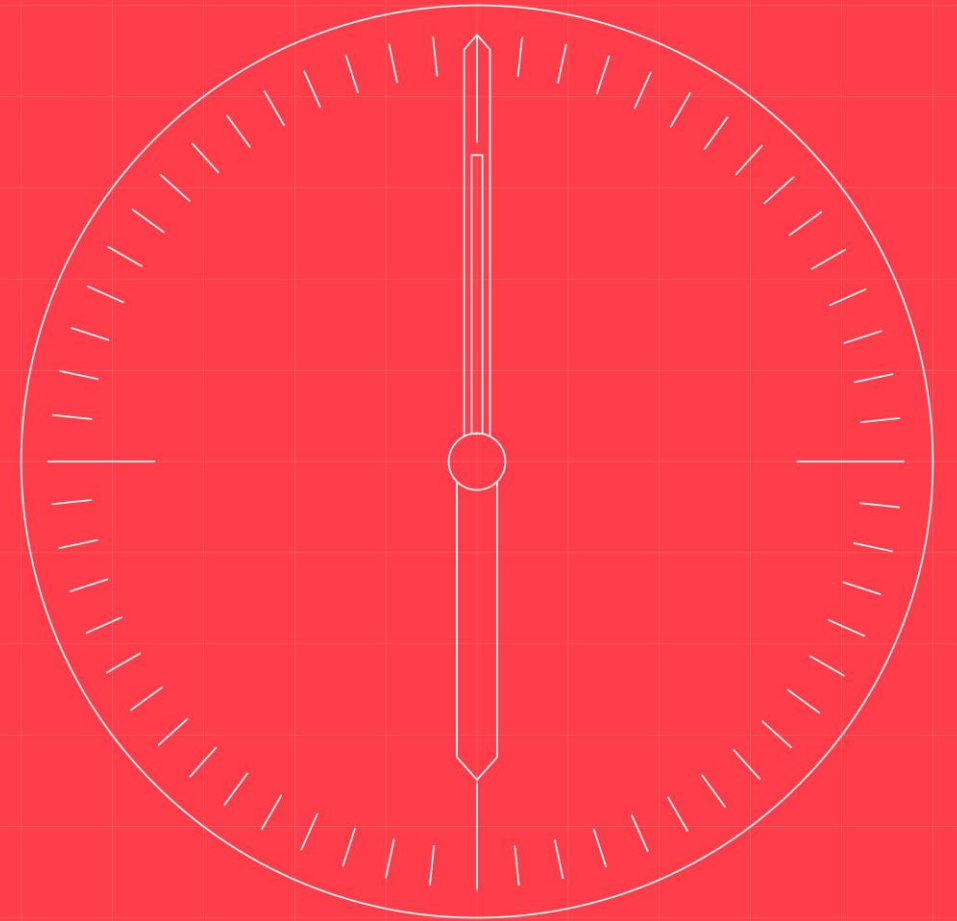
M9 Dress Rehearsal

Ofgem View



M9 Dress Rehearsal

M9 Decision



Key Decisions

The SRO is minded to recommend approval of the Tier 1 milestone, M9 (SIT Start) based on the following:

- T2 and T3 milestone approval from TMAG
- The IPA recommendations and Ofgem's view
- The adequacy of Participant and Programme readiness information

The PSG is invited to consider the following:

RECOMMENDATION	The SRO will approve the M9 (SIT Start) milestone
DECISION	Do PSG support the SRO's decision to approve M9?

Next Steps

- The decision will be communicate to all Programme participants
- SIT will commence with CIT Interval 1 on 30 October 2023

Operation of Decision on 30 October 2023

- Extraordinary PSG 30 October 2023 at 14:30pm
- Papers issued five working days prior
- Papers will contain readiness information and recommendations as indicated in preceding slides
- **At present, the assumptive position, given the currently available information, is that SIT Start should be approved**

Expectations on PSG Members

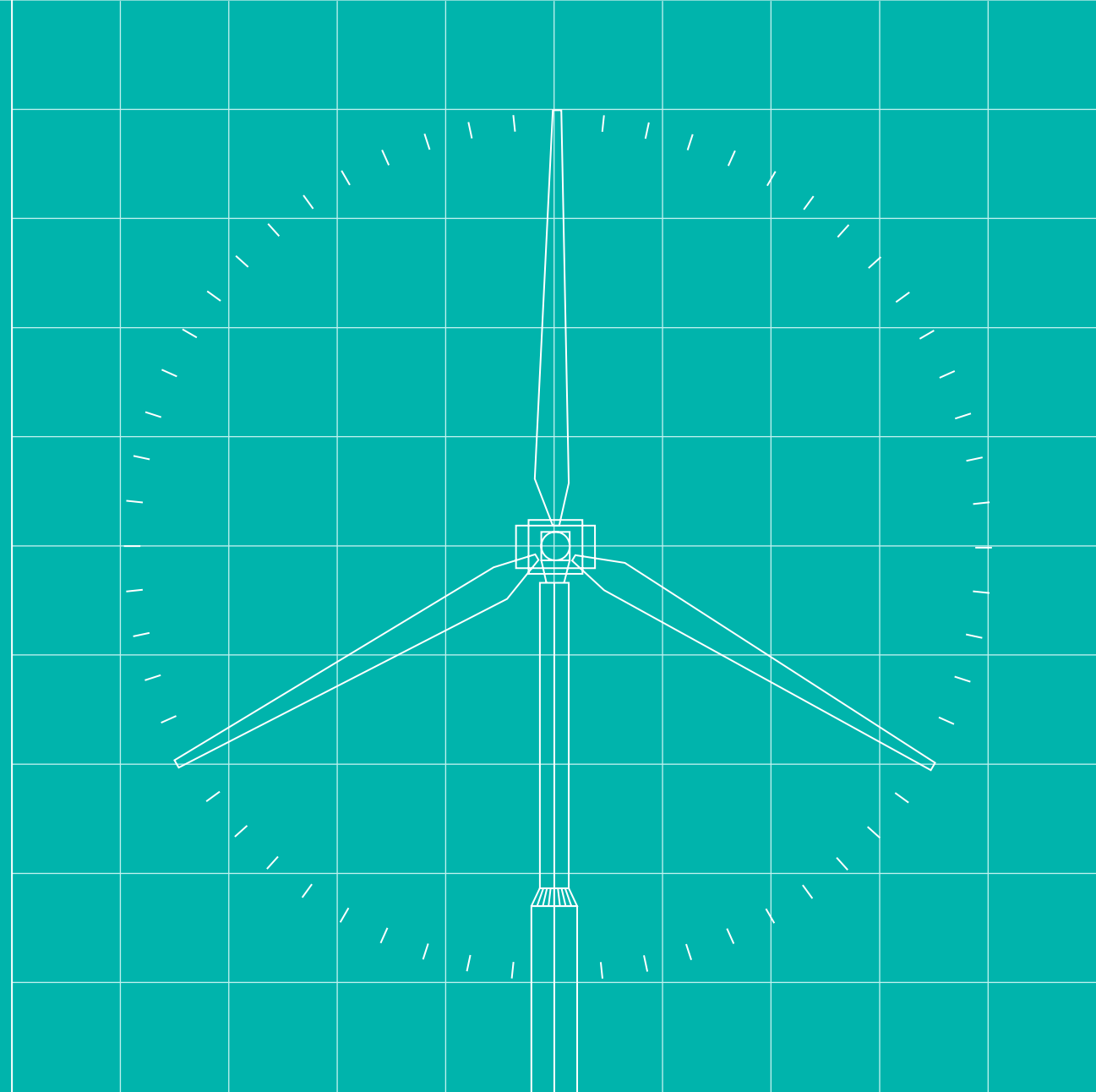
- PSG members are encouraged consult with constituents in the lead up to 30 October 2023
- Any issues which may impact the recommendation to the SRO that M9 be approved should be raised at the earliest opportunity to enable dialogue and support to be provided prior to the decision
- The Programme will support any direct bilateral discussions with participants who may have concerns ahead of the decision
- Any confidential matters can be raised to the Programme, or directly to the Programme SRO
- PSG members are requested to submit views on whether they feel able to support the recommendation M9 be approved following the publication of the ePSG meeting papers on 23 October 2023 and ahead of the meeting on 30 October 2023

Qualification Testing

INFORMATION: Update from Programme

Chris Harden

15 mins



Qualification Testing Update

The Programme has heard (and acknowledges) the concerns raised by representatives at the last PSG meeting regarding Qualification readiness (alongside bi-lateral conversations), and (along with the IPA) has been conducting an in-depth review with the Code Bodies of the proposed approach and associated plan.

For the avoidance of doubt, the objectives remain to ...

- Complete non-SIT LDSO testing such that LDSOs are qualified in time for M10
- Start qualification for non-SIT suppliers and agents in January 2025 per the current industry plan.

The Programme is working with the Code Bodies to explore new approaches which will meet these objectives, with the immediate focus being on the most pressing of these items, the non-SIT LDSO testing. We will, however, also consider the longer-term January 2025 objective.

Options being explored include the Programme taking on some or all of the activities.

Once an approach and plan has been developed which is deemed 'feasible' by the Programme, we will be looking to set up a working group with the LDSO parties to check the viability and obtain their views (mid-October).

We will look to provide a further update (and ideally the finalised approach and plan) at the November 2023 PSG.

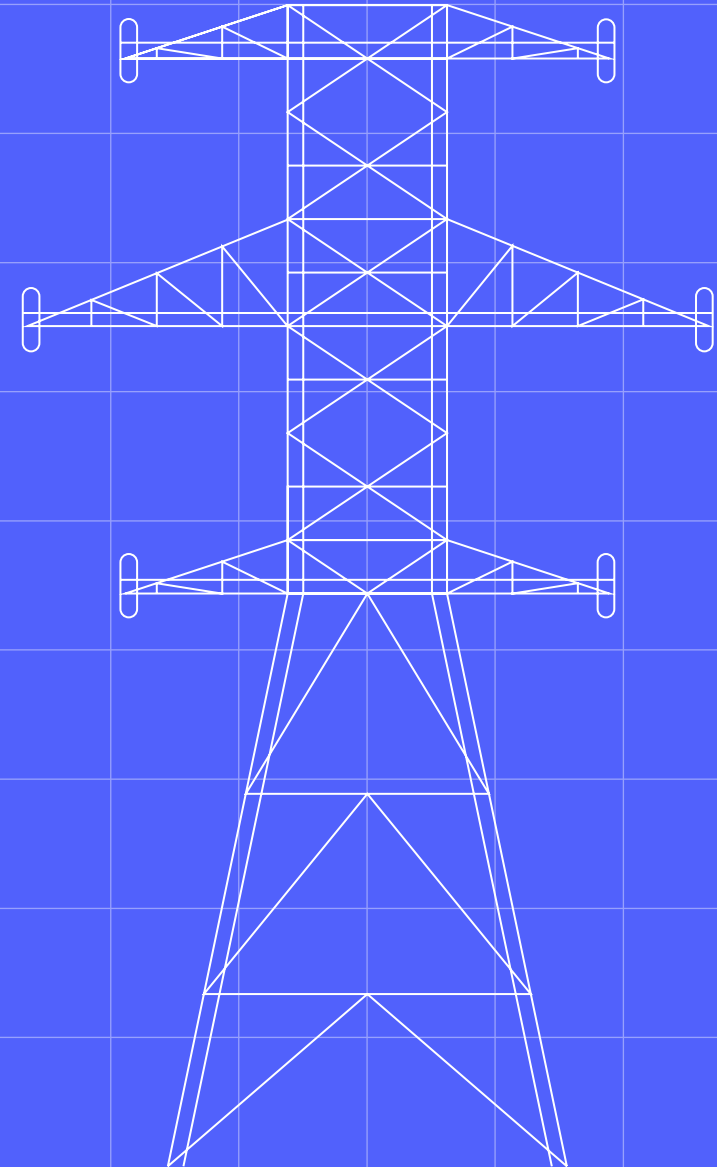
We would request the PSG LDSO Representatives seek out suitable nominations from each of your constituency members (preferably delivery personnel) in the meantime and contact the PMO with their names. Further details will follow in due course.

Delivery Dashboards

INFORMATION: Questions from PSG members on delivery dashboard content

Chair

15 mins



Delivery Dashboards Overview

Area	Title	Purpose
MHHSP Programme Status	Risk Themes	Provide a high-level view of Programme Risks
	Change Control	Update on the status of Change Requests
Industry Delivery Status	SIT 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)

Risk theme 1: Commencing and completing SIT as planned

RAID (1 of 3)
Updated to 25/09/2023

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	<ul style="list-style-type: none"> 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 Ongoing liaison with Code Bodies on Qualification requirements that might drive SIT requirements (e.g. assurance activities that might be required to mitigate any risks from differences between SIT and production environments). The Programme is maintaining the assumption that no additional Qualification Testing execution will be required for SIT participants. 	Previous RAG	Amber (27 Risks)
			Current RAG	Amber (28 Risks)

		Key Risks																Current score movement since last PSG	Mitigation Plan													
Risk ID	Risk Description	Risk Score Assessment																														
		Critical				High				Medium				Low																		
		30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
R272	There is a risk that Core Capability Providers may be late arriving at their respective CIT Intervals																														+1 (due to proximity)	<ol style="list-style-type: none"> Design, Delivery and Test Assurance + tracking of PPs on-time delivery of PIT plans, RTTMs 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) Staggered approach Account management meetings 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																														+1 (due to proximity)	<ol style="list-style-type: none"> Contingency in the list of expected SIT volunteers - need to target additional SIT participants where there is low contingency Set up of FTIG - PPs reporting blockers Challenging plans via account management and bilaterals Assurance of SIT volunteers and deep diving into certain responses Staggered approach
R432	There is a risk that new Change Requests have a material impact on the baseline design																														No change	<ol style="list-style-type: none"> Manage Change Requests and understanding their impact on Design
R119	There is a risk that participants may constrain testing by providing too few environments																														No change	<ol style="list-style-type: none"> Environment approach and plan published specifying instructions for PPs - approved in February TMAG Monthly Environments Working Group (EWG) – standing item for PPs to raise concerns Monitoring each Test phase during SIT stages
R669	There is a risk that SIT parties may enter and execute CIT successfully, but not be ready for SIT Functional																														New item	<ol style="list-style-type: none"> MHHS to conduct SIT Functional PIT assurance as early as possible in CIT period, as and when SIT parties are able to provide PIT reports Specifically monitor blockers through FTIG and PPC bilateral meetings
R670	There is a risk that software / service provider SIT blockers may impact multiple suppliers SIT readiness																														New item	<ol style="list-style-type: none"> MHHS to ensure we understand the provider ecospheres that support suppliers and thereby identify overall risks to the MVC and to the contingency assumed Specifically monitor blockers through FTIG and PPC bilateral meetings

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

Key	
I	Initial Score
C	Current Score
T	Target Score

Risk theme 2: Commencing and completing Migration successfully

RAID (2 of 3)
Updated to 25/09/2023

Theme	Summary	Mitigation Approach Overview	RAG Status	
Commencing and completing Migration successfully	The theme explores the factors which may affect the Programme meeting M10 / M11 and completing Migration and how the Programme is planning to mitigate these to stop these risks from converting into issues	<ul style="list-style-type: none"> 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 (17 items)
			Current RAG	Amber (21 Items)

		Key Risks																Current score movement since last PSG	Mitigation Plan														
Risk ID	Risk Description	Risk Score Assessment																															
		Critical				High				Medium				Low																			
		30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		
R525	There is a risk that Suppliers with large portfolios of MPANs could be allocated to later qualification tranches as a result of the 'first come first served' approach or drop out of SIT into later Qualification tranches, which would not leave enough time to migrate a large portfolio before the M15 deadline																															-4 (18 to 14)	<ol style="list-style-type: none"> Code Bodies will set out the timing for tranche notification in QWG. Suppliers to comply. Legal advice from Elexon has been clear that the allocation of Programme Participants to tranches cannot be influenced by portfolio size Any incentive regime for Migration will be a matter for Ofgem not the Programme Capacity within Migration plan is set to enable large suppliers in Tranche 7 to migrate in time, as discussed at TMAG 20/9 resulting in reduction of probability
R415	There is risk that qualified Suppliers will not be able to start migrating MPANs at M11 (and beyond) if they do not have Service Providers contracted that have qualified for particular customer segments																															No change	<ol style="list-style-type: none"> 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 MHHSP is seeking to understand the risks by identifying supplier ecosystems Delivery Assurance and RA3 is providing confidence in SIT participant readiness
R332	There is a risk that Suppliers may require a maximum amount of time to complete their DBT and subsequently qualify, resulting in backlog in the final tranche(s) of Qualification																															No change	<ol style="list-style-type: none"> The potential for incentives for completion of Migration has been raised with the Programme, but this would require further discussion with Ofgem Ongoing tracking of suppliers' delivery plans and progress through PPC bilateral meetings and account management Programme to create a Migration Control Centre which will create a robust plan, factoring in Qualification timings, size of suppliers' portfolios etc. (end 2024)
R536	There is a risk that the SCR on charging methodology does not prepare for MHHS in time for M11																															New item	<ol style="list-style-type: none"> Work closely with ESO to resolve the issue and consider making changes to the CUSC to ensure that an appropriate charging methodology is in place for migration.
R659	There is a risk that PPs can't migrate MPANs due to a technical/process issue																															New item	<ol style="list-style-type: none"> Mitigated by Migration Test phase of DBT Monitoring during Migration of any issues
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.																															+10 (10 to 20)	<ol style="list-style-type: none"> The programme is working with the code bodies to explore new approaches which will: 1. Complete non-SIT LDSO testing such that LDSO's are qualified in time for M10; 2. Start qualification for non-sit suppliers and agents in January 2025 as per the current industry plan. The immediate focus is on the most pressing of these items, the non-SIT LDSO testing
R380	There is a risk that DNOs/iDNOs may not participate in the non-SIT LDSO Qual testing (run by Qualification) or complete it in time																															-4 (19-15)	<ol style="list-style-type: none"> Engagement, awareness and traction with LDSO community so believed to be low probability but will be kept monitored. RA3 will check on readiness Clear definition of the scope of non-SIT LDSO testing & timeline for the Qual

Key	
I	Initial Score
C	Current Score
T	Target Score



Document Classification: Public

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

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

RAID (3 of 3)
Updated to 25/09/2023

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	<ul style="list-style-type: none"> Mitigations prior to SIT for this theme include: <ul style="list-style-type: none"> Programme DPIA complete 19th August 2023 SIT data cut complete Data Sharing Agreement and/or BCS P458 mod to be complete 09-Oct-23 Programme provided sample ISD data and augmented test data to the collaboration base Data and example messages provided for interval one 	Previous RAG	Amber (6 risks)
			Current RAG	Amber (3 risks)

		Key Risks																Current score movement since last PSG	Mitigation Plan														
Risk ID	Risk Description	Risk Score Assessment																															
		Critical				High				Medium				Low																			
		30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		
R040	There is a risk of data breach / loss of data / data shared with incorrect market participants (both test data and live data)																															No change	<ol style="list-style-type: none"> No consumption data for domestic consumers will be used Communications – no real MPAN numbers will be used (PPs agreed with this approach) Overarching Test Data Approach & Plan and SIT data plans outlines data protection measures (sFTP for data sharing and PKIs for test execution) MHHS GDPR champion appointed Separated sFTP containers created per market participant / market participant role to avoid incorrect access and data transfer
R664	There is a risk that the SIT Data Cut lacks data to be able to execute specific Functional Test Scenario (i.e., test scenarios involving advanced meters and specific relationships)																															New item	<ol style="list-style-type: none"> SI to evaluate the data conditions required by the SIT Functional Tests Scenarios and identify the critical/complex data conditions. With the data conditions identified, the SIT Lead can analyse the data cut and establish whether it contains the variety of data required.
R181	There is a risk that more MPANS will be used in SIT than 1.5 million prepared and augmented																															No change	<ol style="list-style-type: none"> Current manufactured data estimation is manageable, per the Test Data Approach & Plans 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 Any additional manufactured data will likely be needed for SIT Functional only, rather than CIT (to be aligned with Migration / Data Cleanse Plan) MHHS received EES data cut and confirmed it contains the variety of data required for CIT. Programme to evaluate the variety for functional tests.

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

Key	
I	Initial Score
C	Current Score
T	Target Score

Change Request Status

Change Control
Updated to 27/09/2023

Ref.	Key Detail	Change Raiser(s)	Change Type	Latest Action	Approval Status	Current Stage in Change Control	Action <i>If approved</i>	Implementation date/milestone	Change Owner(s) <i>If approved</i>
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	Approved by DAG (13/09/23)	Approved	Implementation		IR9 (Apr-24)	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	Approved by DAG (13/09/23)	Approved	Implementation	To be implemented in Design Release 5	IR5 (Oct-23)	Paul Pettitt, MHHS Programme
CR028	EES and SDEP Requirements	Jonny Moore, RECCo	Full Impact Assessment	Approved by DAG (13/09/23)	Approved	Implementation	To be implemented in Design Release 5	IR5 (Oct-23)	Paul Pettitt, MHHS Programme
CR029	DIP LDSO Interface Processing	Rachael Prosser, NGED	Full Impact Assessment	Approved by DAG (13/09/23)	Approved	Implementation	To be implemented in Design Release 5	IR5 (Oct-23)	Sean Cooper & Richard Gwatkin, MHHS Programme
CR030	Introduction of Compressed Payloads into DIP Messages	Rob Golding, MHHS Programme	Full Impact Assessment	Approved by DAG (13/09/23)	Approved	Implementation	To be implemented in Design Release 5	IR5 (Oct-23)	Paul Pettitt, MHHS Programme
CR031	Amending Transition Design Milestone Description and Delivery Date	Andrew Margan, MHHS Programme	Housekeeping	Approved by DAG (13/09/23)	Approved	Completed		-	Andrew Margan, MHHS Programme
CR032	Change to Interface MHHS-IF-165 P0210 TUoS Reporting	Andrew Dudkowsky, National Grid ESO	Full Impact Assessment	Validated by Change Board (26/09/23)	Open	Awaiting DAG approval for Impact Assessment			Paul Pettitt and Lee Cox, MHHS Programme

Core Capability Providers (CCPs)	Status	Comment
Elxon (Helix)	Amber	PIT proceeding well and now compliant with PIT guidelines. Completion on track for CIT Interval 1 entry at M9. Helix are flagging risk around the scale of develop of development needed for IR5, particularly DAH and ability to complete development by SIT functional start. Helix to complete impact assessment on IR5 immediately following release on 4 Oct to explore options and feasibility in timescales.
DIP	Amber	PIT cycle 2 for IR1 in progress and on track for CIT start date Ongoing dialogue with MHHS team on two points: (1) provision of error codes (2) secondary routing – hence RAG is Amber
St Clements	Amber	Sprint 2 on track for CIT Interval 2 (IR2) Sprints 3-5 on track for CIT Interval 6 (IR2) albeit with little contingency – hence RAG will remain Amber Readiness for SIT Functional (IR5) also on track at this point
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	Ongoing dialogue re changes required to DTN Flows – should be complete in next month
LDP (SI)	Green	Test Assurance - activities underway for CIT Intervals 1-4. CIT - test scenarios approved, test cases now being phased and on track. Potential modification for secondary routing. SIT Functional - test scenarios and phased test cases approach & new timeline being agreed with industry Data – on track regarding augmentation. All but two DSA received, being superseded by MOD approved by Ofgem 22/9. Data Transfer (SFTP) guidance for CIT released, 70% responses received and chasing remainder

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)

CCP Readiness for M9

Expected to be ready	Likely to be ready if risks are mitigated	Unlikely to be ready
----------------------	---	----------------------

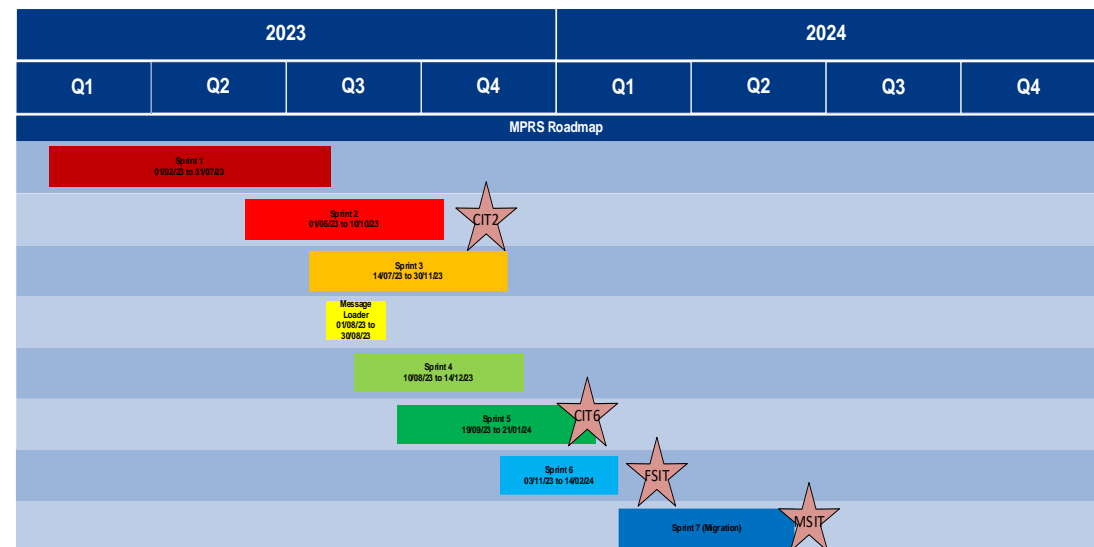
RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
------	---------	----------	------	-----------	--------	------	--------------	-----------

Status & Outlook	<ul style="list-style-type: none"> Additional Test and PMO resource have started. Sprint 2 scripting and testing ongoing Stand up DNO/iDNO MPRS environments for SIT (BUUK & SSEN) Complete Submitted PIT Requirements Test Traceability Matrix and PIT Scenarios (Interval 2) Preparation for Sprint 3 onwards – Ongoing Preparation for PIT - Ongoing
-----------------------------	---

<p>Progress expected in the coming month:</p> <ul style="list-style-type: none"> Complete testing of Sprint 2 Start testing Sprint 3 Continue working DLs into MPRS design Complete configuration of DNO/iDNO MPRS environments for SIT Data Augmentation load into BUUK Data Augmentation load into SSEN Test connectivity to C&C & EL adaptors
--

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
MPRS ready for start of CIT interval 2	06-11-23	06-11-23
MPRS ready for start of CIT interval 6	22-01-24	22-01-24
MPRS ready for start of functional SIT	14-02-24	14-02-24

Risk or Issue & RAG	Mitigating or resolving action required	Date to be resolved	Action owner
STCR18 - The programme plan is challenging and SCS has been consistent in its feedback to the programme. There is insufficient time to complete the testing of all functionality to the normal SCS quality standards to meet the entry points for CIT and functional SIT	St Clements is focused on delivering the functionality that is required, for when it is required by concentrating on the testing required to meet the programme timelines.	Q1 2024	St Clements
STCR14 - There is a risk that BAU divert resource from MHHS programme (such as FS changes)	Ongoing Faster Switching issues diverting resource from MHHS activities to resolving BAU issues. Forced to tolerate and manage The Programme to recognise that BAU may be higher priority than MHHS	Ongoing	St Clements
STCR15 - There is a risk that programme governance diverts resource from delivery activities	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.	01 October 2024	St Clements
STCR23 - There is a risk that Programme artefacts are delivered late leaving little time to review/develop	This is starting to happen - i.e. SIT Test cases yet to be delivered. Programme to consider staggering delivery of Programme artefacts requiring review. Artefacts delivered on time with sufficient time allowed to review	Q4 2023	Programme
STCR34 - There is a risk that SIT test cases are not issued until late September. Only a few lines included in the SIT scenarios and these can be ambiguous	Test cases are still to be delivered and no firm revised date yet. Difficult to plan	22 September 2023	Programme
STCR35 - There is a risk that there are no registration service reports defined within the MHHS design.	An initial meeting has been held between Elexon and St Clements to discuss new requirements for reporting. Consideration should be given to the existing reports and reports requested by Ofgem	30 October 2023	Programme
STCR44 - There is a risk that PUB-040 (Annual Consumption) in MPRS will not be addressed quickly enough by the design team. If it is not required in MPRS there will be significant benefits for the MPRS development and DNOs operationally	This has not been discussed at the last two DRGs	15 October 2023	Programme
STCR45 - There is a risk that the SIT testing requirements from the programme on St Clements are greater than anticipated leading to additional resource requirements	St Clements need to have sight of the SIT test cases and how functional SIT will operate to understand any planning implications	30 September 2023	Programme
Assumption & RAG	Action required to remove assumption	Date to be resolved	Action Owner
MPRS high level plan broadly remains the same following detailed IA	Detailed 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 to be resolved	Action Owner
Dependency on Programme to confirm decisions on above	Prompt responses and decisions required		



RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
------	---------	----------	------	-----------	--------	------	--------------	-----------

Status & Outlook	<p>Progress last month:</p> <p>REC</p> <ul style="list-style-type: none"> R0044 Systems Integrated testing in progress <p>SEC</p> <ul style="list-style-type: none"> MP162 Systems Integrated testing in progress <p>Capacity</p> <ul style="list-style-type: none"> MHHS Capacity is tacking to plan <p>New Requirements</p> <ul style="list-style-type: none"> On track, aiming to conclude new requirements workshops and endorsement of the assumptions log by 15 Oct23. To achieve a DCC plan baseline by Dec23. MHHS Programme and DCC collectively remain confident on the required tasks to support the MHHS SIT Testing starting in Mar24. 	<p>Progress expected in the coming month:</p> <ul style="list-style-type: none"> REC - Complete R0044 SIT testing SEC - Complete MP162 SIT testing Capacity – Continue work towards necessary uplifts New Requirements – Conclude assumptions with MHHS Programme
------------------	---	---

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	20-10-23
MP162 MDR UIT Start	04-12-23	04-12-23
MP162 Go-LIVE	20-06-24	20-06-24
MHHS Capacity uplift	20-06-24	20-06-24

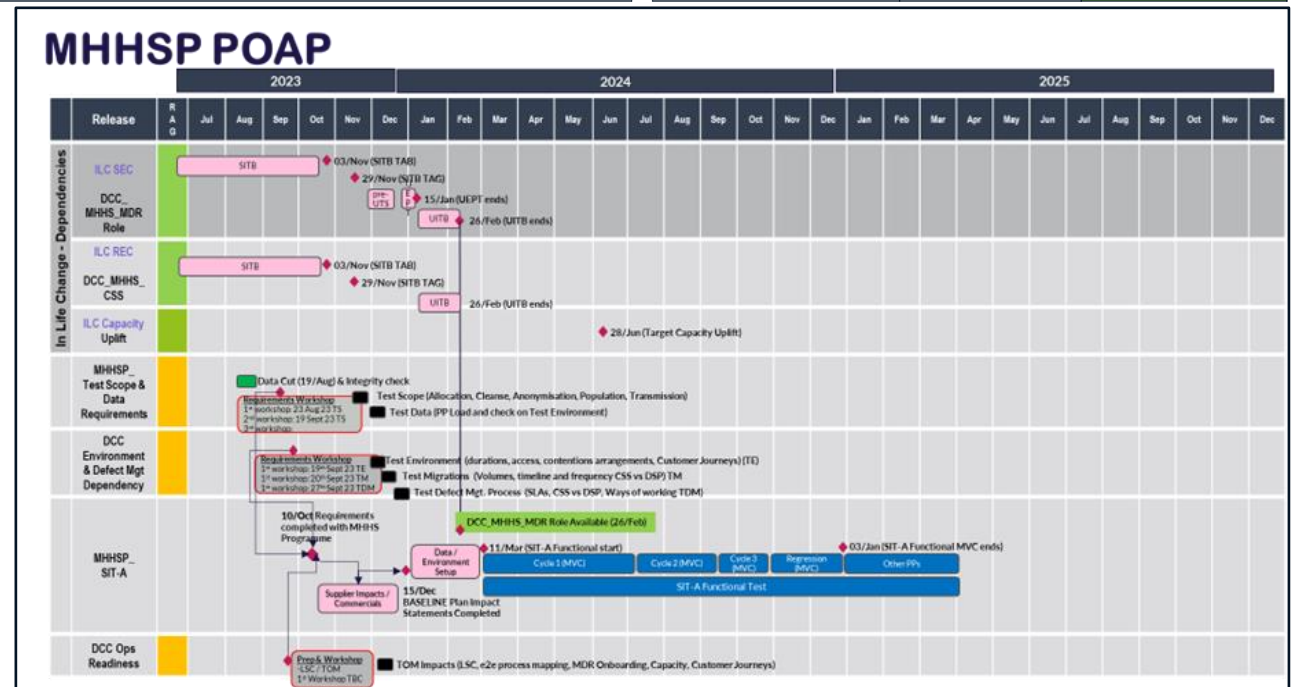
Decisions required	From whom?	By when?
None	n/a	n/a

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

- Testing Environments Requirement needs agreement between Exelon and DCC
- Test Data Requirements needs agreement between Exelon and DCC
- Defect Triage, Fix and Retest SLAs needs agreeing between Exelon and DCC
- Post June '24 Requirements for UIT B Environment needs agreement between Exelon and DCC
- Data cleansing requirements need to be agreed support Migration activities

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
Assumptions Log has been developed in agreement with all parties on the new requirements (Top Risks).	Endorsement of the assumptions (assumptions log (AL)) to form the bases of supplier commercial engagement, leading to a baseline plan(BP).	AL: 15-10-23 BP: 15-12-23	DCC/MHHSP

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
MHHS Programme SME engagement to support the elaboration of the new requirements workshops.	DCC/ MHHS P - Collaboration sessions between DCC and MHHS Programme MHHS P - Validation and confirmation of the test scope and low-level assumptions / requirements.	15-10-23	MHHSP (DCC)



MHHS New Requirements Status Update

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
1.Alignment between DCC and the MHHS Programme on testing concept and environments.	There are a number of assumptions that are being validated for the use of the DCC UIT B environment for MHHS SIT functional testing.	15 Oct 23	DCC/MHHSP
2.Data-cut requirements	There are a number of assumptions that are being validated for the test data setup in UIT B, based on agreed testing approach.	15 Oct 23	DCC/MHHSP
3.Alignment of the defect management process	There are a number of assumptions that are being validated for the defect management between CSS and DSP, and test environment vs live.	15 Oct 23	DCC/MHHSP
4.Post June '24 Requirements for UIT B	There are a number of assumptions that are being validated for the use of the DCC UIT B environment for MHHS SIT functional testing beyond June 24 (MDR Go Live).	15 Oct 23	DCC/MHHSP
5.Data cleansing for SIT and Migrations	There are a number of assumptions that are being validated by the MHHS Programme to support the migration activities. The DCC DSP/CSS role is to be determined. PR7771 has been raised as a proactive measure to SP impact assessments.	15 Oct 23	DCC/MHHSP

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

Operational Readiness

RETAIL
ENERGY
CODE

CR4672
PR7592
PR7593

REC Change(s)

R0044 (CSS Interface Changes)
R0093 (CSS Demand Maximum)
R0097 (MDR Appointments + Capacity)

MHHS Programme Changes Required To Central Switching Service Extends existing CSS Interface to add MDR appointment information to supported data set Transfer, new MDR appointments to DSP as part of Industry Registration data updates

June '24 Release

SEC
Smart Energy Code

CR-4813

SEC Modification
MP162

Implementation of **New User Role** created to support Meter Data Retrieval parties

June '24 Release

Data
Communications
Company

CR-4879*
Part 1 & Part 2

Capacity Uplifts

DCC System support for an Increased daily volumes of SRVs

Part 1* - Oct '23 MR

Part 2* - June '24 Release or later

MHHS
PROGRAMME
Industry-led, Elexon facilitated

PR7760
PR7742
PR7771
PR7772

Supporting
MHHS Programme
SIT Testing Activity
From Mar23

Post DCCs completion of SIT and UIT activities, DCC need to provide support to the MHHS Programme SIT Activity for E2E Industry testing

Mar '24 onwards

Data
Communications
Company

TBC

Supporting
MHHS Programme
SIT Activity

Post DCCs completion of SIT and UIT activities, DCC need to provide support to the MHHS Programme SIT Activity for E2E Industry testing

Continuous Service Readiness

MHHS Changes

Change requests supporting MHHS	Descriptions	Completion date	Action owner	Status
NEW PR7771 (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	Open
NEW PR7772 (For Defect Management)	Change request to support MHHS Programme Defect Management requirements (V2).	2024/2025	DCC/Service Providers	Open
IN PROGRESS: 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	09/02/24	DCC/Service Providers	Open
IN PROGRESS: PR7760 (MHHS Programme Engagement)	To address the definition of the new requirements for DCC Service Providers to allow them to estimate the duration/costs to support	27/10/23	DCC/Service Providers	Open
IN PROGRESS: 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.	09/02/24	DCC/Service Providers	Open
IN PROGRESS: 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	Open
IN PROGRESS: 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	Open
IN PROGRESS: 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	Open
COMPLETED: 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	Complete

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
------	---------	----------	------	-----------	--------	------	--------------	-----------

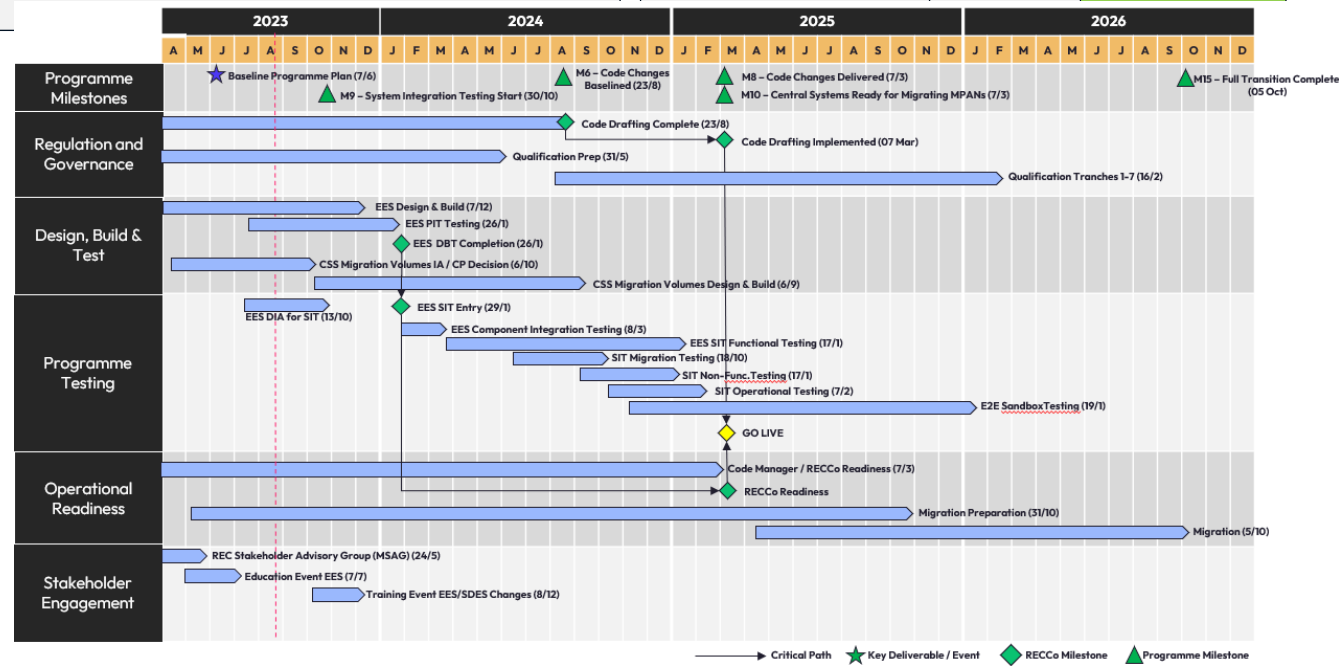
Status & Outlook	<p>Progress last month:</p> <ul style="list-style-type: none"> EES Core Build complete, bar 2 minor items awaiting Programme design to be finalised. This will not affect PIT Start. EES API Technical Specification industry consultation completed with no material concerns raised. DIA from C&C for SIT (CIT) and SIT Functional phases under RECCo review Governance & Qualification, and Migration Code Drafting consultation closed with responses being triaged. Qualification issues remain, Programme delay in providing documentation needed to develop the QAD, means that scope of first iteration reduced and replanned for industry consultation in October. Tripartite meeting held (6 Sept) with Programme and Elexon. Code Body requirements from the Programme documented. Programme response suggested further discussions required before progress can be made. Programme to set up QWG focused on LDSOs once issues resolved. Readiness Assessment 3 response submitted to programme
	<p>Progress expected in the coming month:</p> <ul style="list-style-type: none"> Finalise DIA for SIT (CIT) and SIT Functional with C&C EES Functional Spec for Ancillary Build EES Functional PIT Execution for Core build Finalise qualification testing roles, responsibilities and assumptions with Elexon First iteration of Qualification Assessment Document to be issued for industry review Second iteration of Qualification Approach and Plan to be issued for industry review Publish Interfaces and Transition Tranche 4 Code Drafting for industry review

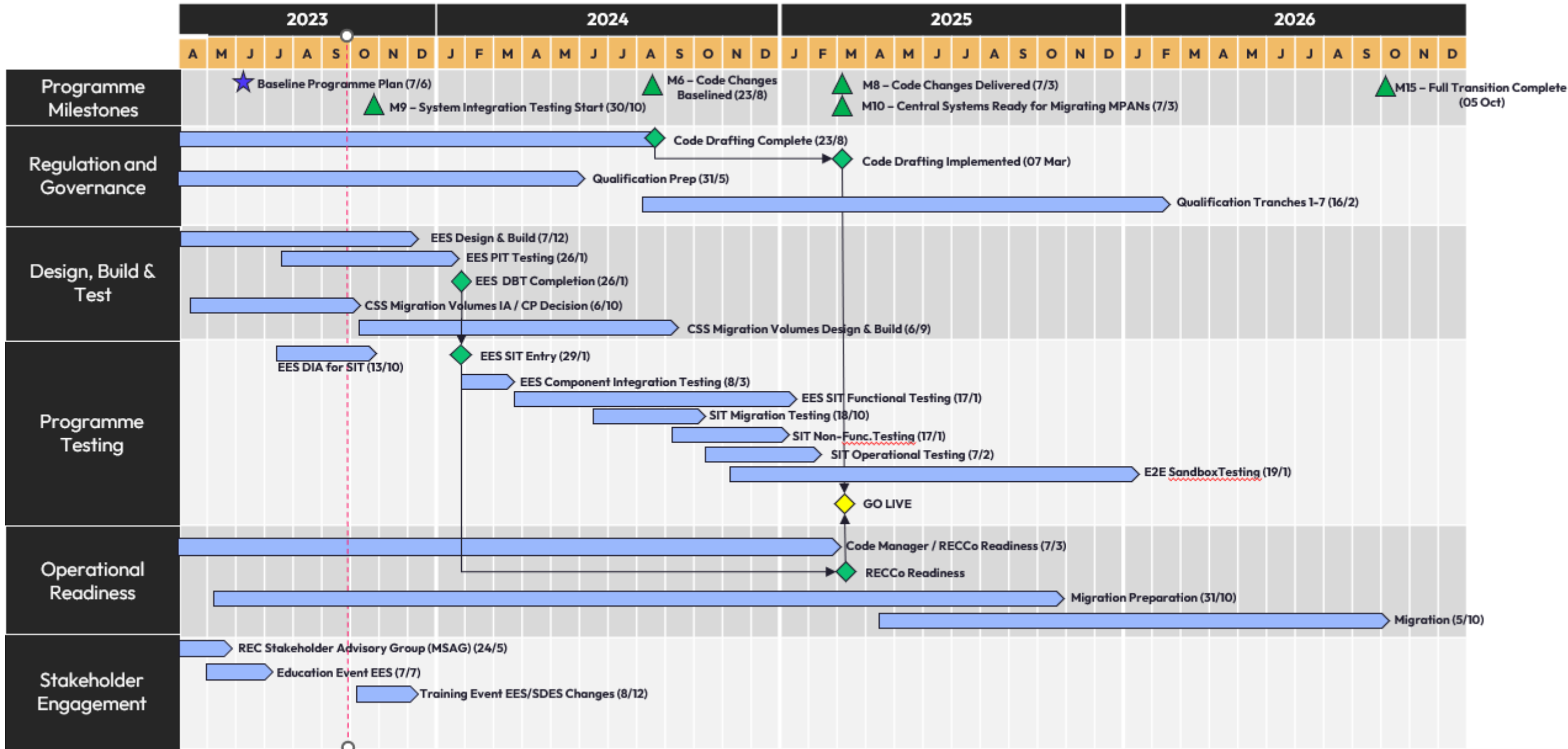
Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
Registration Code Drafting	23/08/2023	
Qualification Assessment Doc v0.1 published	29/11/2023	29/11/2023
EES Core Build Complete	04/08/2023	
EES Ancillary Design Complete	05/09/2023	31/10/2023
EES Ancillary Build Complete	26/10/2023	7/12/2023
Qualification Approach & Plan v0.2 published	29/11/2023	29/11/2023
Gov/Qual, Interface/Data, Migration Code Drafting –	13/11/2023	13/11/2023

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.	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 / 24

Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun

Programme Milestones

★ Readiness Assessment #3 (29/9)

▲ M9 – System Integration Testing Start (30 Oct)

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

◆ Qualification Assessment Criteria (31/10)

◆ QA&P v3.0 6/3

◆ QA&P v4.0 14/5

◆ Qualification Execution Requirements CR (22/9)

◆ Non-SIT LDSO Test Preparation

Qualification Approach & Plan

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)

◆ EES DBT Completion (26/1)

▶ CSS – DCC IA's (14/7)

▶ CSS – CM Assessment / CP Decision (6/10)

▶ CSS Design & Build

Programme Testing

▶ EES – DIA for SIT (13/10)

▶ SIT A Connectivity Testing / Data Load (5/1)

◆ 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

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
------	---------	----------	------	-----------	--------	------	--------------	-----------

Status & Outlook

Progress last month:

- Build was delivered on time and PIT commenced inline with the DIP delivery plan
- Key testing deliverables (DIP-D31 PIT Test Scripts, DIP-D32 PIT Entry Criteria, DIP-D33 PIT Readiness Report, DIP-D34 PIT Entry Gate) completed on track.

Progress by workstream

- Delivery & Change – Supported onboarding demo webinar for Market Participants on 07.09.2023
- Applications – Bug Triaging & Fixing for Interim Release 1, development of Interim Release 2 scope items
- Infrastructure – PIT B (IR2) Environment Code Build
- Security – Security controls review & vulnerability assessment
- Testing – PIT Cycle 1 completed with 89% execution rate and 92% pass rate. PIT Cycle 2 in progress
- Service – Kicked off Service Introduction for L1 'Front Door'

Progress expected in the coming month:

- Deliver Interim Release 2 changes for Testing
- Testing – Execute and complete PIT testing against Interim Release 2
- Produce further testing work products (DIP-D35 PIT Execution Progress, DIP-D36 PIT Execution Reports & DIP-D37 DIP PIT Test Completion Report)
- Finalize impact assessments and proposals for multiple changes to be delivered for functional SIT.

Workstream focus:

- Delivery & Change – Review overall progress with testing and risk-based decision on deployment of IR2
- Applications – Continue bug triaging and fixing for Interim Release 2
- Infrastructure – Upgrade of Service Bus SKU in Dev/PIT
- Security – Mobilization of SOC resources for SIT support and implementation of dedicated Certificate Authority
- Testing – Update Test Scripts for IR2 testing and complete PIT testing
- Service – Draft Service Desk Process & Model, and setup ServiceNow, and IVR

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

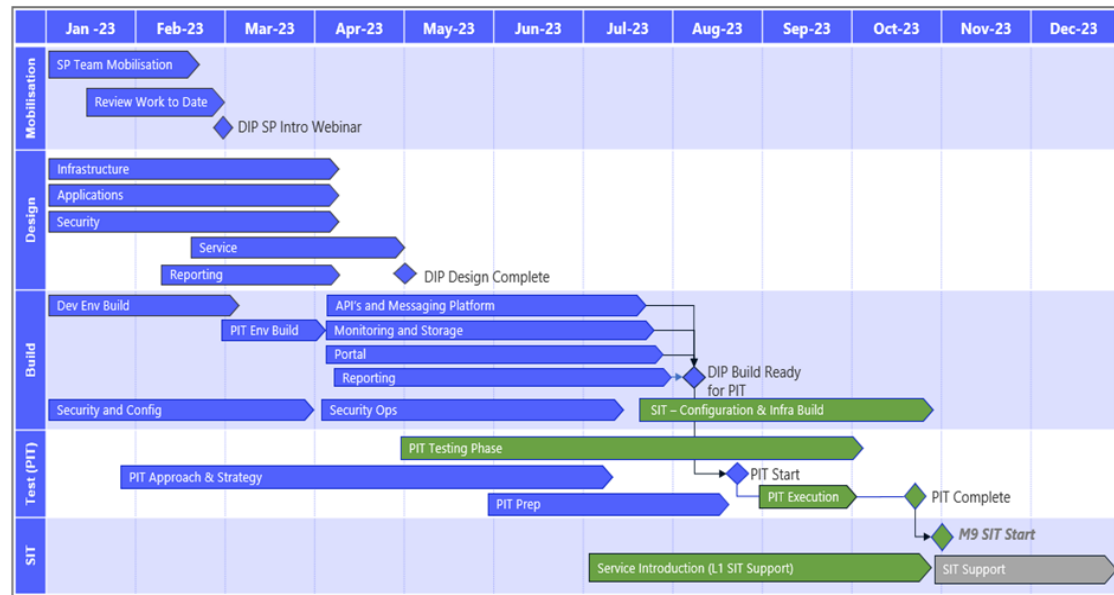
Decisions required	From whom?	By when?
None	n/a	n/a

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Programme requirement for PIT Exit/CIT Entry against IR2. Risk to delivery as IR2 scope includes material changes to the DIP	Revised approach proposed – entry into PIT on IR1, completion of 'core' PIT, then deliver IR2 into testing to meet start of CIT in line with M9	09/10/2023	Smitha Pichrikat (Paul Daniels)
Design and runtime risk arising from MPAN state rules based on TOM Functional Architecture	Related DIP risk (#11554) raised as rules based on IR3. Propose to descope MPAN based routing from initial PIT & execute functional testing against IR3 (future release)	27/10/2023	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
GIVE: DIP PIT completion for CIT Entry	Validate approach will be based on DIP plan with incremental releases (software and documentation)	23/10/2023	Smitha Pichrikat

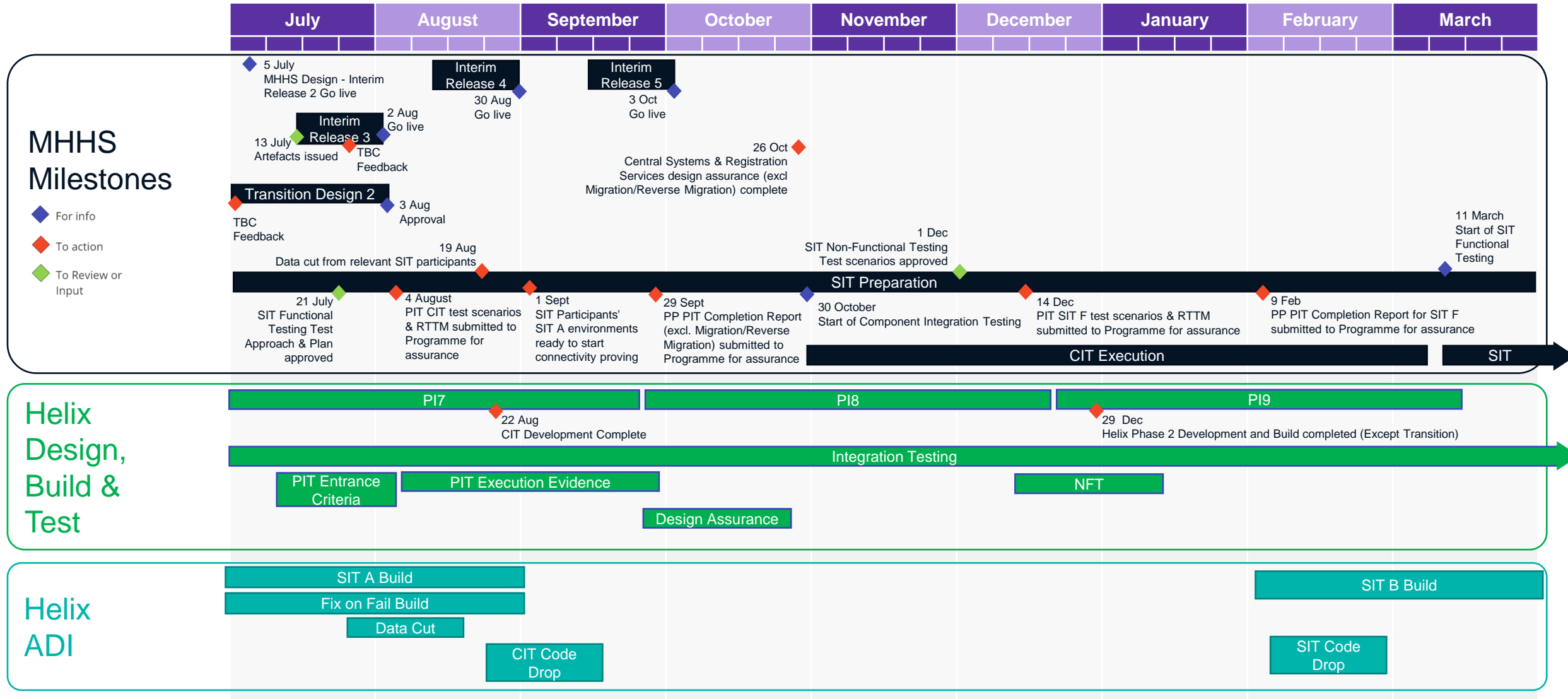
DIP Readiness for M9 – POAP



RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
Status & Outlook	Progress last month: <ul style="list-style-type: none"> Completed PI 7 Completed planning for PI 8 Successful completion of PIT testing PIT completion report to be issued 29 Sept Successful completion of DIP SIM demo Commenced the test strategy for qualification Planning for qualification Commenced support and transition planning 		Progress expected in the coming month: <ul style="list-style-type: none"> Commencing PI 8 development Complete setup security certificates with the DIP Commence testing against the DIP Continue with the qualification planning alongside the code bodies Complete the test strategy for qualification Commence script writing for qualification <p>For Helix to move to an overall green status a better understanding of the design changes that are still to materialise would be required.</p>		Party Milestones & Deliverables		Plan Date	Forecast date & RAG
					Test scenarios submitted		4/08/23	Complete
					CIT development complete		22/08/22	Complete
					SIT A - HXT2 Environments ready for connectivity testing		1/09/23	Complete
					Delivery phase ends (DBT End) – for CIT IR2.		29/09/23	Complete
					Industry phase starts (CIT Starts)		30/10/23	Not started
					Code drop for SIT based on IR 5. IR 4 can be delivered. IR5 released 4 October 23 impact assessment likely to needed review mitigation options with MHHSP.		22/12/23	In Progress
					Target second code release for SIT		30/01/24	Not started
					PIT completion report of SIT		9/02/24	Not started
					Commence SIT Functional start		11/03/24	Not started
				Industry phase ends (SIT End)		07/02/25	Not started	

RAID and RAG	Type	Mitigating or resolving action required	Date to be resolved/updated
If the further changes impact on the scope of Helix, they may impact ability of the Helix programme to deliver to plan.	Risk	Implementation of a MHHS programme change control process when changes are essential.	On-going
With the expectation of further interface changes the extent of these will impact the ability of Helix to maintain the timeline is dependent on the extent of the change	Risk	It is assumed these interface changes will be minimal only impact the SIT testing and not be retrospectively applied to SIT.	30/10/23
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 against the DIP SIM however the DIP still needs to be tested against and may result in re-work	15/10/23
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
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 design is currently being review to assess the impact.	04/11/23
If once all the SIT scenarios have been provided and the amount of work involved to convert these into qualification scenarios is greater than anticipated this may impact time ine.	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	This is still being discussed with the MHHSP test team.	

Path to Functional Systems Integration Testing (SIT)



RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
------	---------	----------	------	-----------	--------	------	--------------	-----------

Status Update	<p>ElectraLink updates for October 4th PSG:</p> <ul style="list-style-type: none"> • ElectraLink initially discussed with MHHS required changes to DTN Flows. Further confirmation is to be provided on new DTN flows and MDD version. • Continued collaboration with MHHS Programme and teams engaged via participating in working groups such as SITWG, FITG, S&T, DAG, DWG and fortnightly sessions with the programme and Webinars. • No additional risks, issues or dependencies are to be reported. 					<p>Milestones and Deliverables:</p> <ul style="list-style-type: none"> • 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
Further confirmation is to be provided on new DTN flows and MDD version	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 September: <ul style="list-style-type: none"> Internal DNO planning Detailed design of impacted DNO systems. Internal Functional Analysis/Design LDSO systems build Planning for DNO Testing activities. Continuing MPRS and Oracle 19c upgrade activities (required for Rel. 9). Review of migration volumes following MWG. RA3 completed. PKI requirements for non sit participants Various working group attendance 		Activities reported as expected to progress October: <ul style="list-style-type: none"> Continue detailed design/build of impacted DNO systems. Continue LDSO systems build Planning for DNO Testing activities. Continuing MPRS and Oracle 19c upgrade activities (required for Rel. 9). Respond to notification of NFRs/ migration volumes from Programme Various working group attendance Install/ setup DIP Simulator for development/ PIT 		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) Data share agreements in place and SOUT database successfully sent and loaded by SCS				
	SIT (Functional) start	27-Feb-24 1 Medium confidence	1 DNO confirmed as SIT Volunteer (SSEN) SCS to carry out on behalf of SSEN. Other DNO's to place reliance upon SCS testing. End to end walk through required of SIT functional scenarios inclusive of data to determine validity of test cases.				
	M10 - readiness to support migration start, including Registration Services. Network Operators and 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.				

Decisions to be made by DNOs	Impact of no decision	Decision by when?
DNO participation in SIT Non-Functional. Expectations, requirements and approach to be agreed	Lack of clarity on Sit Non-Functional execution	30/10/2023

Decisions required from the programme	Impact of no decision	Decision by when?
Release date for SIT Test Cases.	Unnecessary work expended trying to work out cases from the SIT test scenarios provided.	01/10/2023
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
Confirmation of CR's and Outstanding Design Decisions (DIN Log).	Delay to DBT and unable to achieve R3 SIT dates. Could delay LDSO DBT internal downstream systems.	ASAP.

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	
Migration Non-Functional requirements for DNO's to support volumes of up to 40k migrations per day may have an impact on BAU Change of Supplier processing	DNO unable to meet REC SLA's. Delay to consumer switch processes	Respond via migration consultation Programme to model migration based upon Supplier intent in order to provide a realistic planning forecast.
Data Cleanse activities may take longer than expected timelines (Risk reduced from last month due to extra time provided).	Extended timelines and/ or poor quality data	Question remains over whether import and export linkage is required (as per Elexon P459).
The Reverse Migration Solution is too complex to enable Core Capability Providers to Achieve Testing & M10.	Migration phase is delayed.	-
Core Capability Providers may not be able to complete their DBT by M9 as set by the re-plan	Ability to place reliance on SIT.	-

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	5 Complete, 1 being finalised

RAGs	Overall	Approach	Plan	Resources	Budget	Risk		
Status & Outlook	Activities reported as progressed in August: <ul style="list-style-type: none"> Progressed IDNO SIT preparation. Progressed IDNO SIT and Non-SIT Qualification requirements by liaising with Code Bodies and the Programme. Monitored progress of LDSO DINs and CRs. Responded to CR029 IA. Facilitated IPA Deep Dive Assurance. Submitted response to Tranche 3 code drafting consultation. Continued Data Preparation requirements gathering exercise. Submitted SIT Participant Placing Reliance Statement. Completed and submitted RA3 responses. Engaged with Programme for initial DIP session. Attended bi-lateral with the Programme re: CIT Interval Test Execution. Further internal preparation for progression of the programme (i.e. costs & availability of resources) 		Activities reported as expected to progress in September: <ul style="list-style-type: none"> Ongoing readiness for SIT preparation. Continued review of draft Code changes. Continued monitoring of LDSO DINs progress and review CRs. Continue to review data cleanse and preparation requirements. Pursue Qualification requirement clarification. Identify Programme impacts to current BAU processes. Submit SIT Readiness Report. Contractual negotiations with external third parties to cover UMSO test management. Develop non-SIT participants placing reliance statements. 		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 <input type="checkbox"/> High confidence <input checked="" type="checkbox"/> Medium confidence <input type="checkbox"/> Low confidence		Progress for M9 is positive, particularly with better confidence of the Placing Reliance Policy, but still some preparation to do. Last Mile will be back up IDNO for SIT. C&C working to meet milestones.			
	SIT (Functional) start		27-Feb-24 <input type="checkbox"/> High confidence <input checked="" type="checkbox"/> Medium confidence <input type="checkbox"/> Low confidence		Placing Reliance policy and contracts now in place with third parties, with expertise in energy industry programme testing management providing confidence. Last Mile will be back up IDNO for SIT. C&C working to meet milestones.			
	M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs		07-Mar-25 <input type="checkbox"/> High confidence <input checked="" type="checkbox"/> Medium confidence <input type="checkbox"/> Low confidence		Progress for M10 looks positive but still some preparation to do. Last Mile will be back up IDNO for SIT. C&C working to meet milestones.			
	For those intending to participate in non-SIT LDSO (qualification) testing							
	Non-SIT LDSOs testing start (Functional / Migration / NFT / Ops)		02-Jul-24 <input checked="" type="checkbox"/> High confidence <input checked="" type="checkbox"/> Medium confidence <input type="checkbox"/> 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. One party expecting potential delays			
	M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs		07-Mar-25 <input checked="" type="checkbox"/> High confidence <input checked="" type="checkbox"/> Medium confidence <input type="checkbox"/> 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. One party expecting potential delays			
	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]		
Decisions to be made by IDNOs		Impact of no decision		Decision by when?				
Ensuring all relevant systems are included in SIT qualification e.g. bespoke UMSO service not covered off under Placing Reliance policy.		Bespoke system will have to go through separate qualification.		Sept 2023				
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?				
Risks or Issues		Impacts		Opportunities to resolve and deliver as soon as possible				
There is a risk that Qualification requirements might challenge delivery.		Additional qualification requirements may threaten other areas of delivery.		Code Bodies identify what requirements there are for Qualification.				
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.				

Overarching Costs for MHHS Central Parties FY 23/24

Financial Measure	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Totals (£m)
	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	
MHHS Budget	1.39	1.60	1.61	1.70	1.51	1.56	1.55	1.47	1.46	1.55	1.40	3.05*	19.85
MHHS Actual/Forecast	1.68	1.88	1.94	1.82	1.51	1.66	1.92	1.52	1.40	1.54	1.71	1.26	19.84
DCC Budget	3.41			3.41			3.41			3.41			13.64
DCC Act/Forecast*	<i>*Design/Build/PIT actuals will be realised before end of September 2023</i>												-
Helix Budget	2.40	2.40	2.40	2.40	2.40	2.40	2.40	0.48	0.48	0.48	0.48	0.48	19.20
Helix Act/Forecast	1.89	2.18	2.29	2.02	2.28	2.20	2.56	0.76	0.76	0.76	0.76	0.76	19.22
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	1.39
RECCo Act/Forecast	0.12	0.03	0.05	0.03	0.03								0.26
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 from DCC: For reporting the total budget has been calculated with DCC's budget split monthly.
- Note from DCC: The costs references above do not include new requirements costs as these are being formed and agreed as part of the MHHS Programme Working groups being discussed between MHHS Programme and DCC.



Overall Status

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



September Summary

- Tranche 3, Migration, Governance/Qualification consultation comments have been triaged and the updated text and comments log will be published for the assurance stage refinement process
- Interface/Data Specification drafting activity and Transition text drafting continues and is on track to be delivered for the October consultation
- Consequential code change items for DCUSA are on track to be delivered in October and plans in place to deliver BSC and CUSC in February



October Deliverables

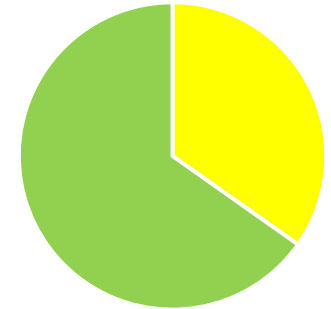
- Consult on Interface/Data Specification and Transition text
- Continue mop-up drafting to align Code to Design CRs and DIN changes (up to IR 6)

Drafting Milestones	Baseline date	Forecast date	Status
Data Services approved at CCAG	24/05/23	24/05/23	Complete
Metering Services approved at CCAG	24/05/23	24/05/23	Complete
Registration approved at CCAG	23/08/23	23/08/23	Complete
BSC Central Services approved at CCAG	27/09/23	27/09/23	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

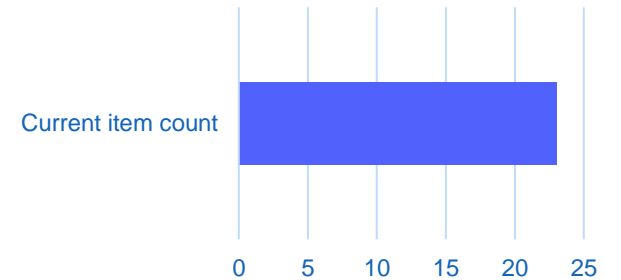
Risk/Issue ID	Risk description	Risk impact	RAG	Mitigation
R485	There is a risk that the Design or queries related to Design are not completed or provided in time and as a result do not provide the information required to enable Code drafting delivery	A delay to resolving Design queries will result in a delay to Code delivery	Medium	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	Medium	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	Medium	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 MHHS Impact Assessment or governance decisions	Delays to the programme in accommodating industry change	Medium	1) Monitor Horizon scanning in CCAG 2) Programme has set an optimum process for progressing external change (that impacts MHHS 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.	Medium	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 MHHS/Ofgem SCR plan

CCAG related-risks RAG



■ High risks ■ Medium risks ■ Low risks

CCAG risk count



RAG key

- Critical
- High
- Medium
- Low

SI Workstream – Progress Update

SI Progress
Updated to 27/09/2023

Workstream	Progress	Next steps		
		What	Owner	By When
Design	Design queries <ul style="list-style-type: none"> Low volume outstanding (Approx 36) Average response time in September for closed tickets has reduced to 1wd with a resolution of 3wd 674 items recorded on the DIN log with ~40 open entries once IR5 is published on 4-Oct-23 Feedback of the fast-track design update process remains positive with ~477 DINs being implemented by IR5 	Continue to answer queries and monitor levels, the nature of the call is moving to testing and data related queries	MHHS	Ongoing
		Interim Release 4 was successfully released 30-Aug-23 Interim Release 5 on schedule for release 4-Oct-23	MHHS	4-Oct-23
Design	Design Assurance The team has completed all but two SIT participant dive sessions, reports have been issued to most participants ahead of the start of CIT	Deep dive design session	SIT volunteers	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	13-Oct-23
Testing	Testing documentation in progress/published in last month: <ul style="list-style-type: none"> CIT Test Scenarios v5.2.2 Approved ETMAG Approval 30-Aug SIT Functional Test Scenarios – Interim Release 2 aligned Scenarios completed Industry Assurance Review 05-Sep SIT Functional Test Scenarios & Test Case Delivery Plan needs Approving End-to-End Testing & Integration Strategy refresh on hold pending decision on Sandbox provisioning CIT Test Cases Batch 1 (for CIT Interval 1 & 2) , Industry Reviews complete, issued for Extraordinary TMAG Approval CIT Test Cases Batch 2 IR2 Uplift in progress for Industry Reviews (Interval 3 and 4 Participants) through Oct 	SITWG Review TMAG Approval	MHHS MHHS	05-Oct-23 18-Oct-23
		Extraordinary TMAG Approval	MHHS	28-Sep-23
Testing	Test Data <ul style="list-style-type: none"> Data sharing agreement progressing to completion by end of Sept (2 PP's outstanding), will be superseded by BSC Mod 9458 on 09-Oct-23. Augmented data successfully sent to Helix for interval one 22-Sep-23. Prepare data for St Clements Interval two 	Data Sharing Agreements in place	PPs	09-Oct-2023
		Test data(CIT) Interval one complete	MHHS	29-Sep-2023
		Test data (CIT) Interval two complete	MHHS	20-Oct-2023
Sims & Ems	'Hotfix' to address YAML name inconsistencies delivered on 1-Sep-23. Work ongoing to build CIT Tooling test stubs and to uplift the DIP Simulator to IR5.	Complete CIT Tooling test stubs in early Oct and uplifting the DIP Simulator to IR5 for SIT Functional in Nov.	MHHS	3-Nov-23
Migration & Transition	Firs Data Cleanse Working group held in September, now operating on a monthly cadence.	Validate initial empirical learnings from PP cleansing activities and validate planning assumptions and prioritisations.	MHHS	25-Oct-23
Migration & Transition	Migration volume thresholds issued for industry consultation on 27-Sep.	Review industry consultation responses, hold review session then issue for November TMAG approval.	MHHS	14-Nov-23

FTIG meetings

- Strong, positive & constructive engagement from attendees
- Want to encourage more solutionising from PPs
- Recent key topics:
 - Swagger and Interface Catalogue differences
 - Helix ISD files
 - Number of DINs in IR5
- Now weekly 45 minutes sessions
- One 1 new blocker raised in last 2 weeks

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
 Edware 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
 Utiliteam
 Wheatley Solutions

Governance group updates

Programme Steering Group (PSG)

Updates from PSG 06 September 2023

- SIT Update:** SIT consists of five stages, with participants due to enter CIT 30 October 2023. The Programme are working to support the readiness of Core Capability Providers (Helix, DIP, St Clements, RECCo, DCC). Preparation for post M9 (SIT Start) activities (e.g. CIT intervals 2, 3, 4 and test assurance) is underway. A [SIT Tracker](#) has been produced which provides detail and commentary on individual testing activities as well as RAG statuses. The tracker will be updated twice per week.
- Qualification Testing:** Elxon and RECCo provided updates on Qualification Testing timelines, tranche allocation, approach and plan, the Qualification Assessment Document (QAD), placing reliance, and risks/dependencies. Work is underway by Code Bodies to confirm SIT equivalence and placing reliance arrangements. Tranche allocations will be on a first come/first served basis, and participants are encouraged to consider the realistic dates to under qualification and submit their intentions to qualify to the Code Bodies with any preferences.

PSG papers available [here](#).

Testing and Migration Advisory Group (TMAG)

Update from TMAG 20 September 2023

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

TMAG papers available [here](#)

Design Advisory Group (DAG)

Updates from DAG 13 September 2023

- Change Request Decisions:** The DAG approved the following Programme Change Requests (CRs):
 - CR023** [Standardisation of Interfaces within the Smart and Advanced Data Services Roles](#)
 - CR027** [Distribution Use of System \(DUoS\) E-Billing Data Integration Platform \(DIP\) message for MHHS](#)
 - CR028** [Corrections to EES and SDEP Requirements](#)
 - CR029** [DIP LDSO Interface Processing](#)
 - CR030** [Introduction of Compressed Payloads into DIP Messages](#)
 - CR031** [Amending Transition Design Milestone Description and Delivery Date](#)
- DES196 Supplementary Documents:** The DAG approved the baselining of supplementary documents to the DES196 D-Flow and Interface Mapping
- Design (DIN):** The next scheduled design release is Interim Release (IR) 5 on 04 October 2023. The deadline for objections is 20 September 2023. IR5 will form the build requirements for SIT Functional testing.

DAG papers available [here](#)

Cross Code Advisory Group (CCAG)

Update from CCAG 23 August 2023

- 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.
- CDWG Escalations:** CCAG members approved the CDWG recommendation of BSC and RED Registration Code Artefact approval.
- 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.
- NGESO Delivery Update:** NGESO provided an overview of the challenges facing CUSC charging and their proposed solutions.
- Elxon Delivery Update:** Elxon shared the outline and key steps of their CCC path for the performance assurance areas.

CCAG papers available [here](#)

Wider Programme updates

Programme News:

- Ready Assessment 3:** RA3 officially launched on **Tuesday 5 September** and was emailed to all Principal Contacts for completion. Participants had three weeks to complete the survey, which is now closed. If you didn't complete the survey, please email the Programme Party Coordination (PPC) team at PPC@mhhsprogramme.co.uk as soon as possible.
- MHHS Communications Channels Survey:** Thank you to everyone who responded to our MHHS Communications Channels survey. We've identified opportunities for continuous improvements and are building your feedback into our roadmap of continuous improvement to support participants.

Participant Checklist:

- Migration Thresholds Document Consultation:** The Migration Thresholds Document is being issued for a 10-working day industry consultation on **Wednesday 27 September 2023**. Comments are due by **17:00 on Wednesday 11 October 2023**. After this consultation closes, the Migration Team will review the feedback and make changes to the document where required. These changes will be discussed at the Migration Working Group (MWG) on **Wednesday 25 October**.
- Non-SIT Placing Reliance Form:** To assist participants who are **not** taking part in SIT and who intend to place reliance on some, or all of the testing completed by a third party, the REC, BSCCo and Elxon have produced a Placing Reliance Proposal Form. There is no cut-off submission date yet, but parties are encouraged to engage and submit the forms so the Code Bodies can consider the proposals.
- Sample Data Files published:** We've published sample data files on the [Sample Data Files page of the Collaboration Base](#). These files are available for all Programme participants to use, to develop their data loading tools and procedures. All personal data from these files has been obfuscated, so they can be used freely by each participant's development team. If you have any feedback, comments or queries on these sample data files, please email Testing@mhhsprogramme.co.uk

Guidance Documents:

Programme Plan: the Programme plan has been regularly updated in line with changes to Tier 2 and 3 milestones as agreed through Programme Advisory Groups. You can view the latest plan on the [Programme Plan & Complementary Documents page of the MHHS website](#).

Upcoming events:

- 28 September:** Data Cleanse Working Group (DCWG)
- 28 September:** Extraordinary [Testing & Migration Advisory Group \(TMAG\)](#)
- 3 October:** Environments and Configuration Management Working Group (EWG)
- 4 October:** [Programme Steering Group \(PSG\)](#)



Testing & Qualification

- The PPC team are continuing to closely align with Testing as they produce a number of key deliverables over the coming months. The focus has begun to shift from Test Approaches and Plans to Test Scenarios and Test Cases for both SIT CIT and SIT Functional.
- We have supported across a number of SIT specific Testing activities, including the Test Data Cut, MPID PPIR, and DPIA/Data Sharing Agreement.
- We are closing out the final signatures for the Data Sharing Agreement, with E.ON Group signing on Monday 11 September.
- **Qualification** – participants continue to raise queries around scope of Qualification which include when upcoming documentation is scheduled to be released, clarity on placing reliance and general timelines.
 - **Next steps:** The PPC team are working closely with the Testing team and Code Bodies to ensure there are clear lines of communication for participants. PPC team to facilitate additional workshop sessions around Qualification Replan activities and potential impact to participant experience.



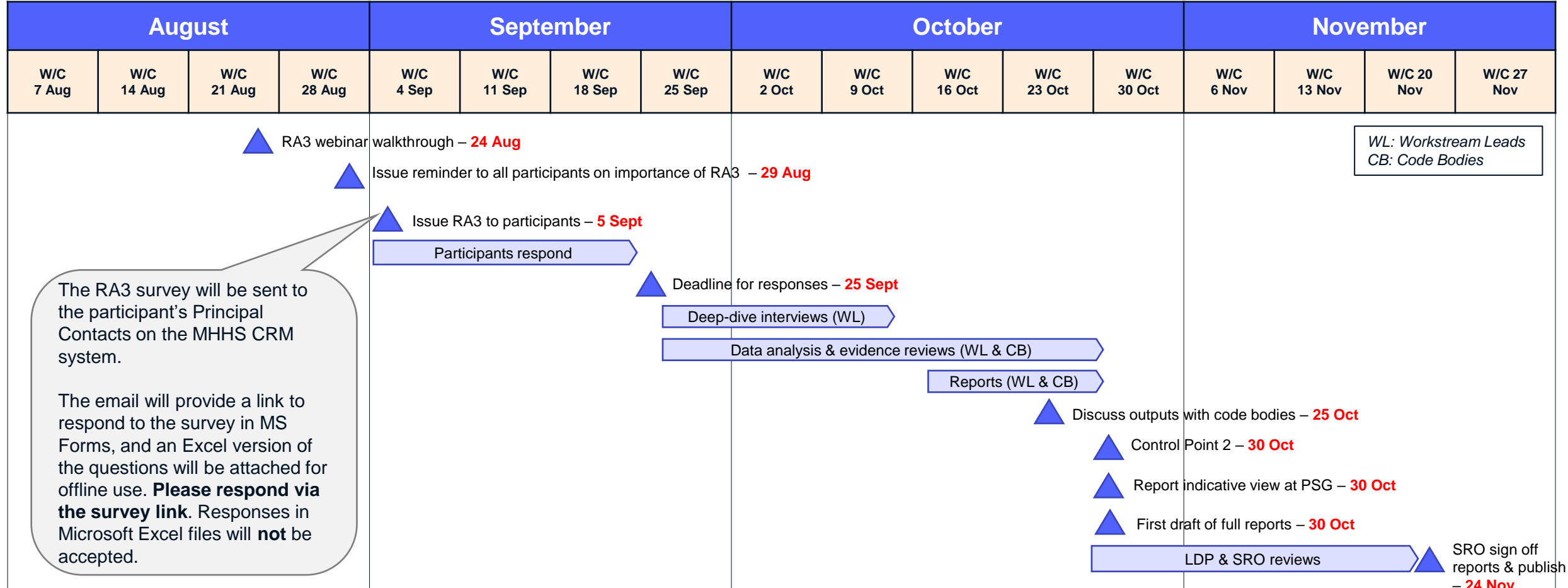
Targeted and tailored communications

- The PPC team has supported the Programme with two webinars: RA3 on 24 August and DIP Onboarding on 07 September.
- Recognising that the large supplier community are looking for more information on Placing Reliance, we will work closely with the Code Bodies to provide them with the confirmations they need going forward.
- **Next steps: identify topics for October and November webinars** and **ensure the Participant Checklist continues to serve as the key source of deliverables across the Programme**



Participant Readiness

- The PPC team are supporting Design and Delivery assurance activities to ensure participants are engaged and well informed of the ask and how the Programme can help navigate their challenges. We have so far completed 90% of the Design Assurance sessions and 71% of the Delivery Assurance sessions.
- Readiness Assessment 3 (RA3) is now live, and we are supporting participants in completing their questionnaire before the deadline of 25 September 2023.
- **Next steps:** Continue to support the write up of both Delivery and Design Assurance reports, and sending out to participants for review and comment with the final step to baseline all reports. Build out RA3 reporting templates in readiness for analysing participant responses.



Key Points:

Three weeks for participants to respond (05/09 - 25/09)

Participants will have three weeks to respond to the RA3 survey.

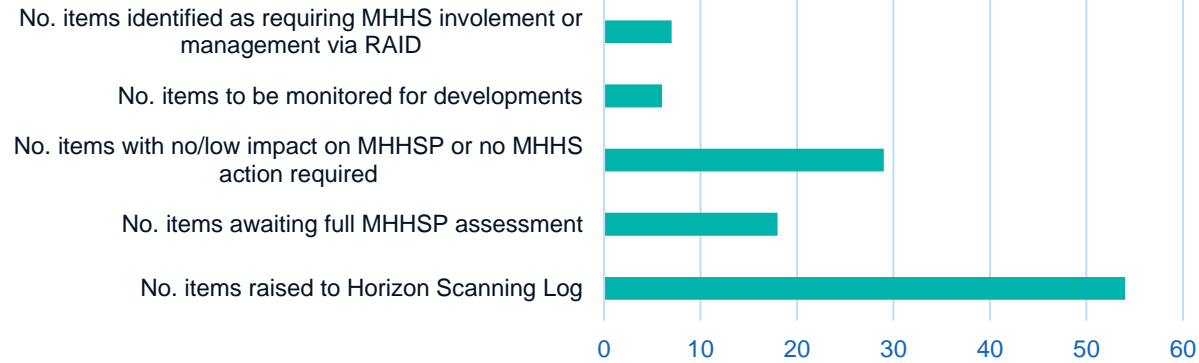
Two and a half weeks set aside for deep-dive interviews on a risk-based approach (26/09 – 11/10)

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: 56 – REC: 31, BSC: 12, SEC: 4, DCUSA: 8, CUSC: 1

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

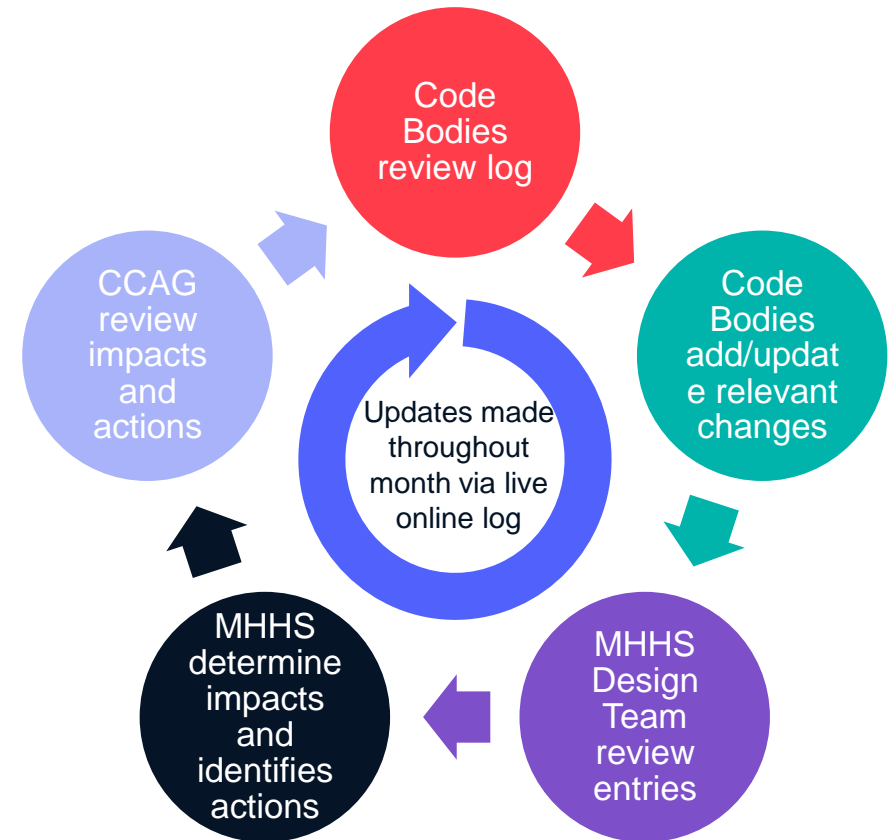
Criticality of horizon scanning items – High: 4, Medium to High: 3, Medium: 4, Low/No impact: 29

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.



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



Assurance Activities in Progress / Completed during month

Theme-Based Assurance

- **Ongoing Embedded Assurance Activities (WP1) - In Progress** - Monthly cadence of regular interactions with MHSP and review of supporting programme artefacts.
- **Design Documentation (WP4) - In Progress** - Continued monitoring of ongoing design updates/change requests through attendance at DAG and DRG and review of supporting documentation.
- **Conflicts of Interest (WP5) - In Progress** - The scope of ongoing assurance activities is currently being socialised and agreed with the Programme and Ofgem.

Stage-Based Assurance

- **Test Assurance (WP9,10,11):**
 - **Test Assurance “Period 2 (P2)” - In Progress** - Fieldwork activities on track and nearing completion with the majority of deep dive sessions held with Programme Participants selected within the sample for this assurance period.



Upcoming Assurance Activities

- **Test Assurance (WP9,10,11) “Period 2”** - complete fieldwork activities and draft report with the P2 report to be a key input to the M9 milestone.
- **Control Point 2** - IPA to provide inputs into Control Point 2 as per agreement with LDP.



Assurance Action Status

Total agreed actions from IPA reports:

Complete
35

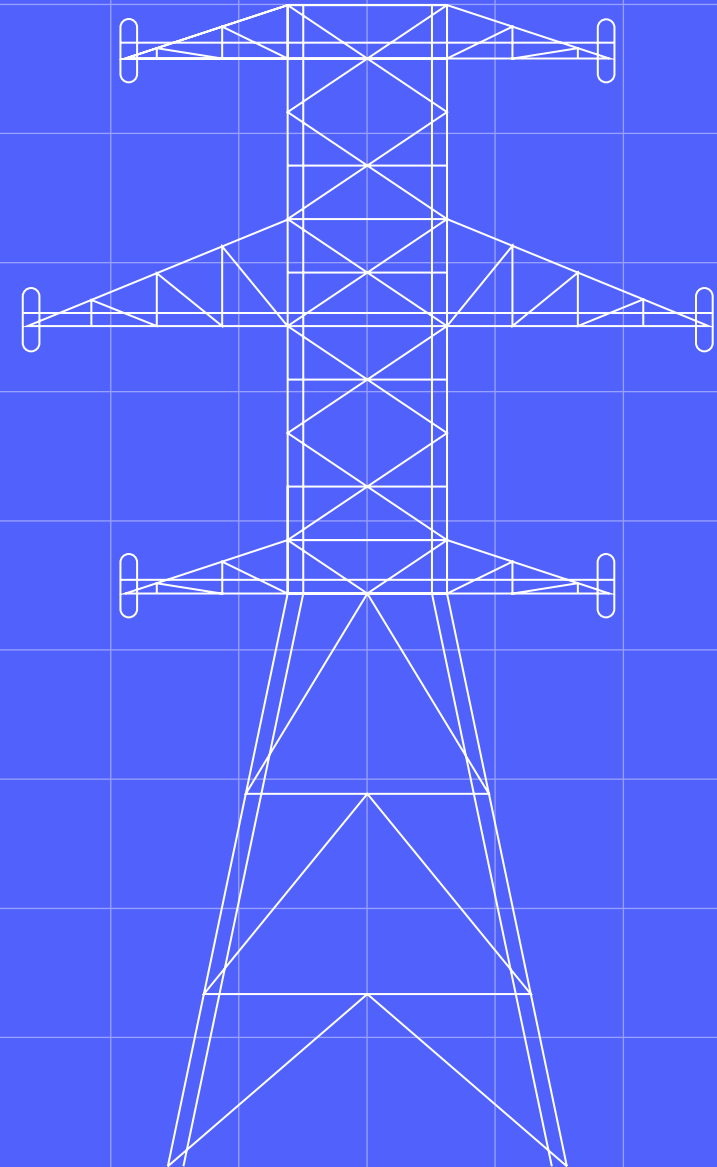
In progress
36

Summary and Next Steps

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

Chair and Secretariat

5 mins



Summary and next steps

1. Confirm actions and decisions from meeting
2. Next PSG meetings:
 - **Extraordinary: 30 October 2023 14:30 (virtual) (M9 approval)**
 - **Regular: 01 November 2023 10:00 – 12:00 (virtual)**

01 November 2023 agenda items

- Qualification Testing Update
- M9 Updates / SIT Status
- MHHS Appeals Process

Standing items

- Minutes and action review
 - Sponsor update
 - Delivery dashboards
 - Summary and next steps
-

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

Thank you