



**MHHS
PROGRAMME**
Industry-led, Elexon facilitated

Programme Steering Group #23

02 August 2023

Version 1.0

MHHS-DEL1443

Document Classification: Public

Agenda

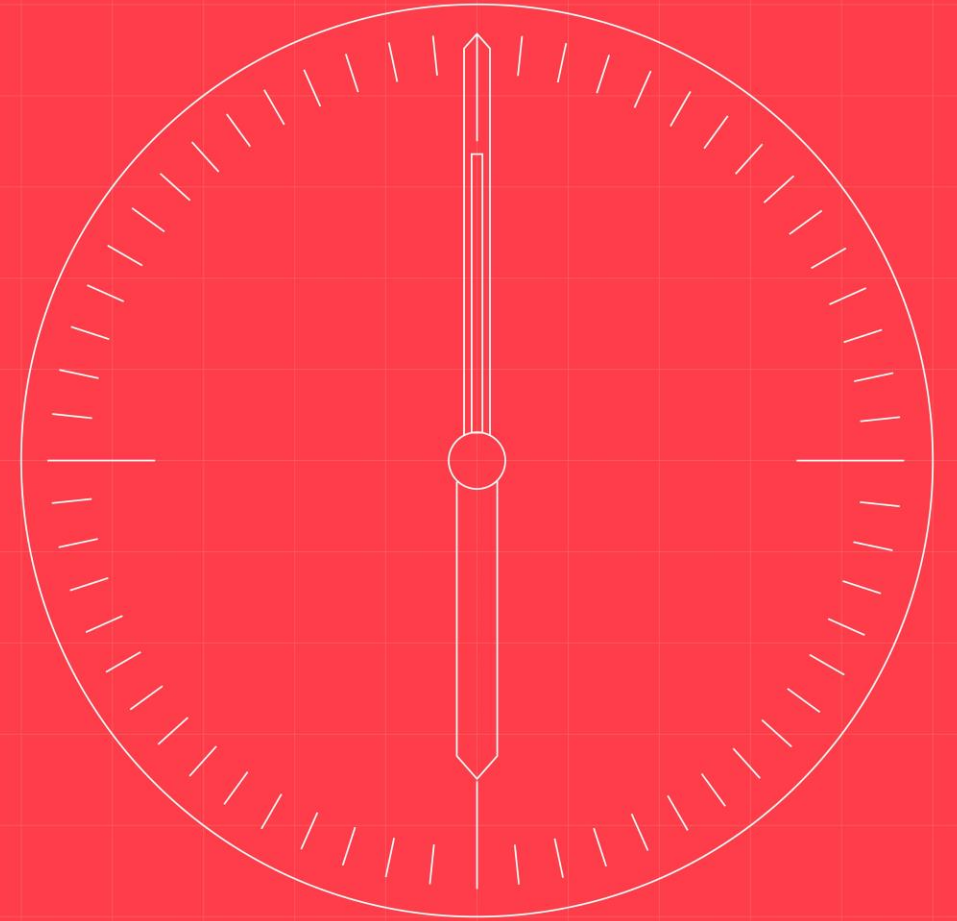
#	Item	Objective	Type	Lead	Time	Page
1	Welcome		-	Chair	10:00-10:05 5 mins	-
2	Minutes and Actions	Approve minutes and review actions	Decision	Chair & Secretariat	10:05-10:15 10 mins	3
3	Programme Reporting	Progress reporting against the Programme Plan	Information	Programme (Keith Clark)	10:15-10:25 10 mins	6
4	Route to M9 Sign-Off	Overview of activities required and the process for approval in the sign-off of M9 (System Integration Test Start)	Discussion	Programme (Keith Clark, Adrian Page)	10:25-10:45 20 mins	8
5	SIT assurance observations	Overview of observations gathered as part of delivery and design assurance in readiness for M9 (System Integration Test Start)	Information	Programme (Keith Clark, Giles Clayden, Paul Pettitt)	10:45 – 11:00 15 mins	14
6	Core Capability Provider Update	Focused delivery updates from 3 Core Capability Providers: SCS, DCC and RECCo	Information	SCS, DCC, RECCo	11:00-11:30 30 mins	18
7	IPA Testing Assurance	Overview of observations gathered as part of the IPA's test assurance activities	Information	IPA (Richard Shilton)	11:30-11:40 10 mins	26
8	Delivery Dashboards	Questions from PSG members on delivery dashboard content	Information	Chair	11:40-11:50 10 mins	30
9	Summary and Next Steps	Summarise actions and decisions, and look ahead to next meeting	Information	Chair & Secretariat	11:50-12:00 10 mins	51
	Appendices	Appendix 1: Look Ahead – Consultation Dashboard	Information			53

Minutes and Actions

DECISION: Approve minutes and review actions

Chair & Secretariat

5 mins



Minutes and Actions (1 of 2)

1. Approval of minutes from last PSG

2. Review of actions:

Ref	Action	Owner	Due	Latest Update
PSG15-01	Progress work on customer segments in migration at the Migration Design Subgroup (MDSG)	Programme (Jason Brogden)	08/06/2023	RECOMMEND CLOSED: Decision PSG-DEC53 - The SRO approved the customer segments reverse migration exclusion recommendation, which excludes complex sites and shared SVA arrangements from reverse migration
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: To remain open and be aligned to 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: Code Bodies have confirmed that as things stand following legal advice, there will be no testing or assurance outside the currently defined DBT1 testing and Qualification activities. SIT will test the generation of DUoS reports within Elexon Central Services and the receipt of DUoS reports at LDSOs but not the subsequent processing of this data at LDSOs. PIT evidence will provide assurance to the Programme in advance of SIT. The Programme is discussing where and how assurance might be gained on DBT2 (Consequential Change) with the IPA.
PSG20-01	Programme to issue communication to provide clarity on SIT timelines and other key requirements	Programme (Adrian Page)	08/06/2023	RECOMMEND CLOSED: Dialogue increased and sessions held with a number of parties.
PSG20-02	Programme to progress meeting with ESG and its contracting Programme Participants to progress Placing Reliance Policy proposals	Programme (Jason Brogden)	08/06/2023	RECOMMEND CLOSED: Meeting convened with ESG. Clarifications requested from associated SIT Participants and Placing Reliance Policy proposals progressing through Programme and Code Body review and feedback to Participants.
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	08/06/2023	ONGOING: Activity to be monitored through PSG until M9. PSG Constituency Representatives will continue to encourage their constituents to engage the Programme bi laterally where they need support.
PSG21-05	Programme to discuss with IPA the potential inclusion of IPA test assurance activities alongside programme plan information, to assist participants' view of effort requirements	Programme and IPA	05/07/2023	ONGOING: IPA test assurance activities have been incorporated into the new MHHS Transition Timeline and Implementation Approach. Will be published in the next release of these documents.

Minutes and Actions (2 of 2)

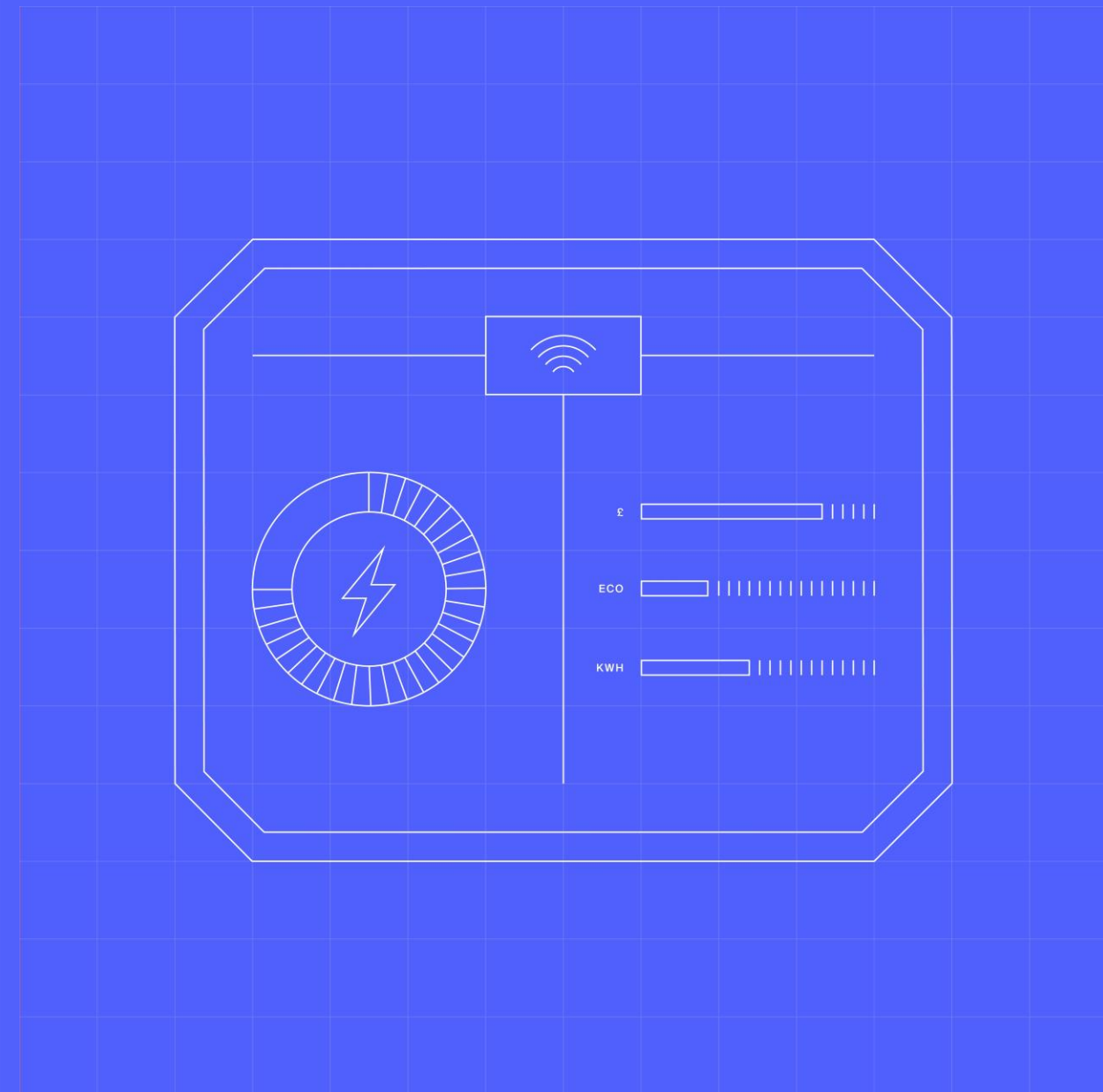
Ref	Action	Owner	Due	Latest Update
PSG22-01	Programme to consider and action comments on the operation of the Fast Track Design Update Process Review raised by the PSG	Programme (Paul Pettitt)	02/08/2023	RECOMMEND CLOSED: Interim Release 1 and 2 has now gone ahead using the Fast Track Design Update Process. IR3 is scheduled for early Aug-23. Feedback received into the Design team will be reviewed as part of ongoing continuous improvement.
PSG22-02	Programme to update DIP risk actions dates within the DIP dashboard	Programme (Richard Gwatkin)	02/08/2023	RECOMMEND CLOSED: Updates reflected in this months' DIP Dashboard.
PSG22-03	Programme to consider most valuable way to present RAID to PSG and generate right discussions, and how to increase visibility/discussion of both Programme and participants risks and issues at relevant governance groups	Programme (Keith Clark / Anya Neill)	02/08/2023	RECOMMEND CLOSED: Insights from Delivery Assurance shared with PSG, including observations and distillation of RAID items raised by CCPs and PPs. Reporting on RAID is now in place at all Advisory Groups. Reporting format will flex based on feedback from Advisory Groups.
PSG22-04	Programme to meet with DCC to discuss management of activities required ahead of SIT entry	Programme (Adrian Page)	02/08/2023	RECOMMEND CLOSED: Several bi-lateral sessions held with DCC over recent weeks to review preparation for SIT (Testing and Data). Deep dive into DCC delivery also took place as part of Delivery Assurance.

Programme Reporting

INFORMATION: Progress reporting against the Programme Plan

Programme (Keith Clark)

10 mins



MHHS Milestone Status *

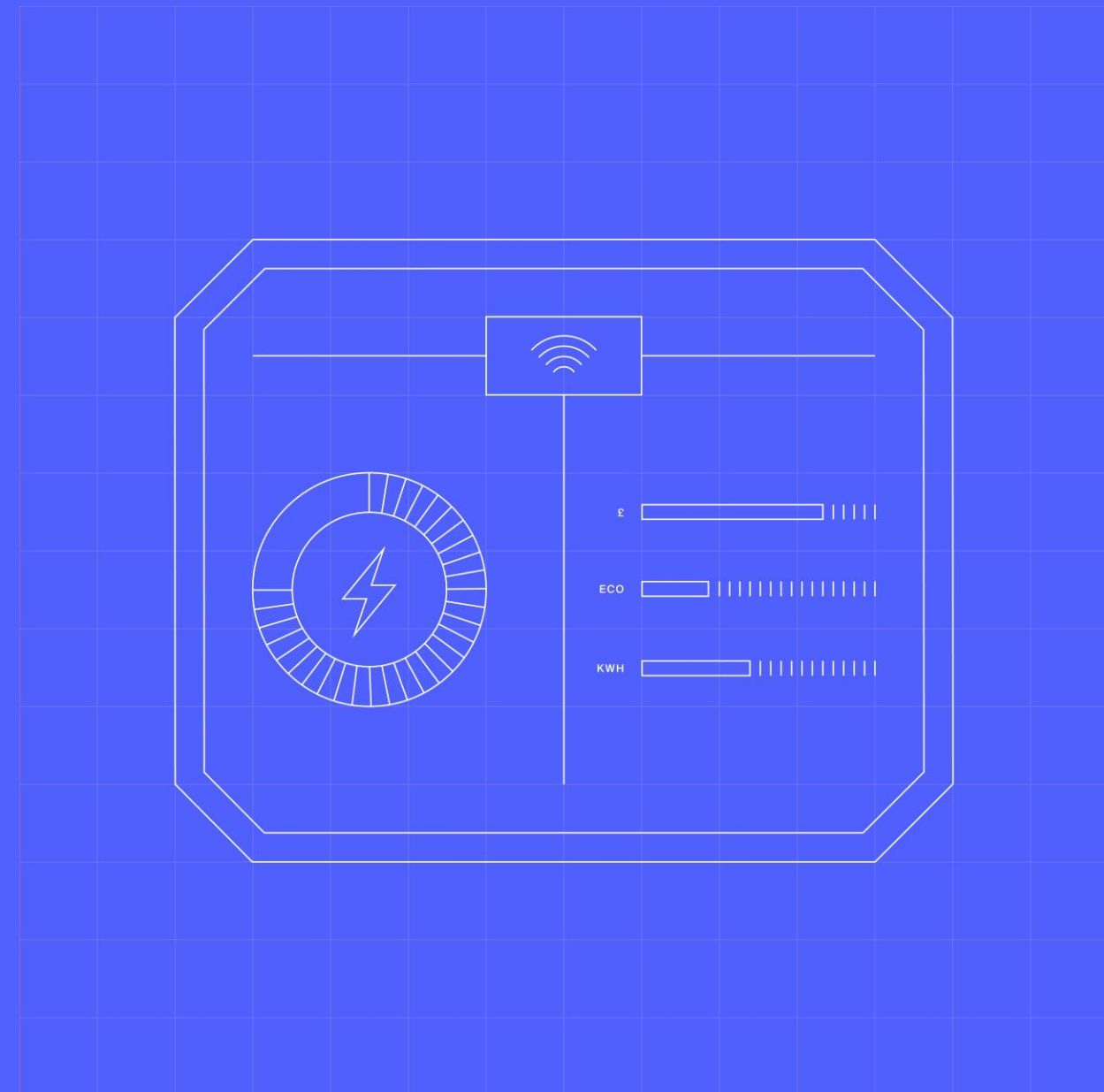
Milestone Tier	Milestone ID	Milestone Title	Baseline Date	Forecast Date	Previous RAG Jul PSG	Current RAG Aug PSG	Forecast RAG Sept PSG	Commentary
T1	T1-PM-1000	Plan re-baselined (subject to Ofgem decision)	08-Jun-23	08-Jun-23				Ofgem decision made as planned
T3	T3-DB-0095	Interim Design Artefact Release 1 go live	12-Jun-23	12-Jun-23				Released as planned, following last month's PSG decision on applying the fast-track design governance approach
T2	T3-TE-0011	Notification of Production Data Cut issued to relevant participants	19-Jun-23	19-Jun-23				Notification issued as planned
T3	T3-DB-0096	Interim Design Artefact Release 2 go live	05-Jul-23	05-Jul-23				Released on 05-Jul-23 as planned
T3	T3-TE-0012	SIT Component Integration Testing Test Approach & Plan approved <i>(incorporates associated companion test data document approval)</i>	19-Jul-23	19-Jul-23				Approved at TMAG on 19-Jul-23
T2	T2-DB-0250	Tranche 2 Transition Design approved	03-Aug-23	tbc				Deferred. To be re-planned via monthly sessions with MTDSG members, starting w/c 03-Jul-23. Date-change CR to be raised, no impact expected
T3	T3-DB-0035	DIP Simulator uplifted to align with Interim Release 2	11-Aug-23	11-Aug-23				On track
T3	T3-TE-0017	Production data cut GONG decision	16-Aug-23	16-Aug-23				Intended to have FTIG ratify the GONG criteria and make GONG recommendation to TMAG for their 16-Aug decision
T3	T3-TE-0013	SIT Functional Testing Test Approach & Plan approved <i>(incorporates associated companion test data document approval)</i>	16-Aug-23	16-Aug-23				10-day consultation completed, subsequent 5-day assurance period w/c 31-Jul-23, and on track for August TMAG approval
T2	T2-TE-0200	Data cut from relevant participants' production systems completed	21-Aug-23	21-Aug-23				Data cut / back-up w/ written guidance published on 20-Jul-23, further w/ written guidance (on post-cut data augmentation and allocation) published on 26-Jul-23 On 28-Jul-23 PPs will be requested to confirm (in writing) that they will be able to take their production data back-ups, this confirmation requested by 04-Aug-23
T2	T2-RE-0250	Code drafting for Registration topic area approved	23-Aug-23	23-Aug-23				On track
T3	T3-TE-0019	SIT Participants' SIT A environments ready to start connectivity proving (incl. certificates and security compliance) CIT Interval 1	01-Sep-23	01-Sep-23				On track
T2	T2-RE-0200	Code drafting for BSC Central Services topic area approved	14-Sep-23	14-Sep-23				On track
T2	T2-TE-0250	SIT Component Integration Testing 1 Preparation Complete (including approval of SI SIT Component Integration Test Readiness Report)	23-Oct-23	23-Oct-23				Currently monitoring risks related to Core Capability Providers' readiness for early SIT CIT intervals (based on recent delivery assurance meetings). FTIG recommendation will be sought, to support this TMAG milestone decision
T2	T2-DB-0100	Central Systems & Registration Services design assurance (excluding Migration / Reverse Migration) complete	27-Oct-23	27-Oct-23				Cohort 1 initial design assurance meetings are complete, Cohort 2 have started. Follow-up meetings will be prioritised on a risk basis
T3	T3-TE-0060	Component Integration Testing Interval 1 Start	30-Oct-23	30-Oct-23				Currently monitoring risks related to Core Capability Providers' readiness for early SIT CIT intervals
T1	T1-TE-1000	System Integration Testing Start (M9)	30-Oct-23	30-Oct-23				Currently monitoring risks related to Core Capability Providers' readiness for early SIT CIT intervals
T1	T1-CP-2000	Control Point 2 - Start of Integration & Test (incl. Control Point Report approval)	30-Oct-23	30-Oct-23				Control Point 2 review will be conducted in support of M9 decision at PSG

Route to M9 Sign-Off

DISCUSSION: Overview of activities and the route for approval required for M9 sign-off

Programme (Keith Clark, Adrian Page)

20 mins



Route to SIT Readiness

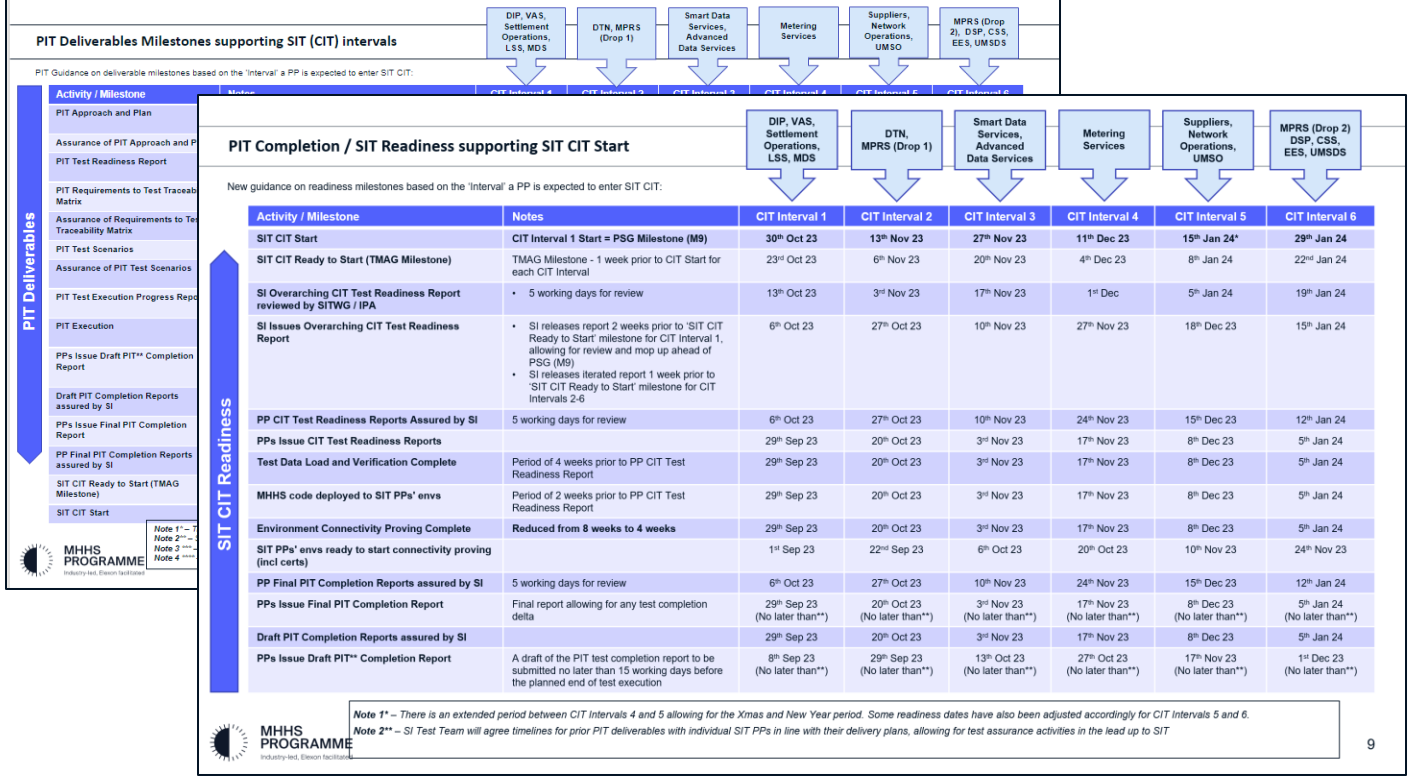
SIT Component Integration Test Approach & Plan extract

- 7.1.6 Test Entry Criteria**
- The following deliverables have been produced by the SI, reviewed, assured and approved as appropriate for the test stage:
- Test Approach and Plan.
 - Test Data Approach and Plan.
 - Test Scenarios.
 - Test Cases.
 - Requirements Traceability Matrix.
 - Test execution schedule (SIT participants will be consulted).
- The following have been set up by the SI and confirmed as ready for test commencement:
- Test data has been allocated to participants.
 - Test stubs & Harnesses.
 - Test Management Tool
 - Tests have been loaded.
 - Tests have been loaded and assigned to relevant participants.
 - Defect Management process.
 - Environment Management process.
 - Release Management process.
 - Test governance.
 - Test meetings.
 - Test Reporting.

SIT Functional Approach & Plan (draft) extract

- 7.1.6 Test Entry Criteria**
- The following deliverables have been produced by the SI, reviewed, assured and approved as appropriate for the test stage:
- Test Approach and Plan.
 - Test Data Approach and Plan.
 - Test Scenarios.
 - Test Cases.
 - Requirements Traceability Matrix.
 - Test execution schedule (SIT participants will be consulted).
- The following have been set up and confirmed by the SI as ready for test commencement:
- Test data generators have been made available to relevant test participants.
 - Test data has been allocated to participants.
 - Test Management Tool
 - Tests have been loaded.
 - Tests have been assigned to relevant participants.
 - SDS/ADS calculation comparison tool.
 - SIT PP pairing confirmed.
 - Test case priority (Code Bodies will be consulted), sequence, and execution schedule.
 - Core regression tests have been identified.
 - Defect Management process.
 - Environment Management process.
 - Release Management process.
 - Test governance.
 - Test meetings.
 - Test Reporting.
- For Participants entering SIT Functional Test:
- Evidence of successful PIT Completion for the SIT Functional Test stage has been submitted, assured by the SI and any work off plans agreed and tracked - please refer to [REF-02] MHHS-DEL1082 - Pre-Integration Test Guidance for full details of the PIT exit criteria.
 - Successful Completion of the SIT Component Integration Test stage has been assured by the SI and any work off plans agreed and tracked.
 - Environment Connectivity proving for any relevant non-DIP interfaces has been successfully completed and evidence assured by the SI.
 - SIT-Staging Environment has been confirmed as ready.
 - Test Data allocation has been loaded, verified and assured by the SI.
 - Participant users have been onboarded to the MHHS Test Management Tool.
 - Participants have confirmed they have resources with the requisite skills and system access to support the test stage execution and defect management process.
 - Participants that are adopting the [REF-06] MHHS-DEL1084 – Placing Reliance Policy; in SIT have a confirmed RACI.

Implementation Approach extracts



Principles:

- Build on artefacts already agreed / being agreed with PPs via governance
- Role of governance groups SITWG & TMAG strongly supported by FTIG
- Repeatable process for each CIT interval, with regular look-aheads on readiness statuses
- Look ahead also to future SIT Functional start

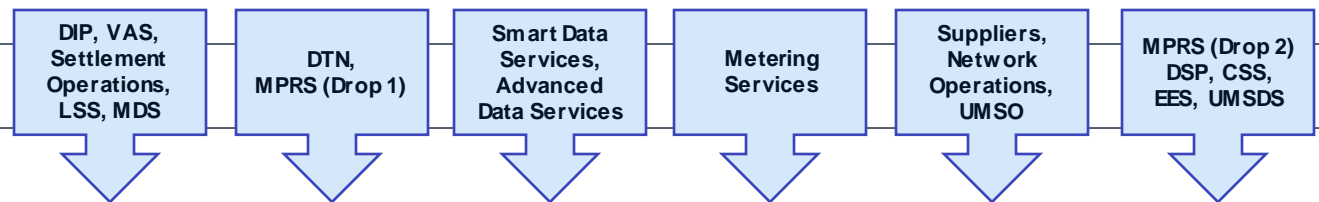
SIT CIT Decision Criteria for T2-TE-0250 (SIT Component Integration Testing Interval 1 Preparation Complete)

- Complete SIT CIT Test Approach and Plan approved by TMAG, contains high-level decision criteria
- 02-Aug-23 SIT Working Group (SIT WG) paper date – proposed detailed and measurable criteria
- 04-Aug-23 FTIG discuss proposed detailed criteria
- 09-Aug-23 SIT WG asked to approve detailed criteria
- 19-Aug-23 TMAG asked to approve detailed criteria
- Aug-23 & Sep-23 Reporting vs agreed criteria commences, leading up to M9 (report for all SIT CIT Intervals)
- Aug-23 & Sep-23 FTIG frequency may increase; SIT CIT readiness reporting is reviewed at FTIG
- 23-Oct-23 T2-TE-0250 approval includes readiness look-ahead for all CIT Intervals and SIT Functional start

SIT Functional Decision Criteria for T2-TE-0550 (SIT Functional Testing Preparation Complete)

- Final industry assurance SIT Functional Test Approach and Plan contains high-level decision criteria
- 20-Sep-23 TMAG approves SIT Functional Approach and Plan
- Sep-23 & Oct-23 Proposed detailed and measurable criteria developed and agreed with FTIG, SIT WG and TMAG
- 23-Oct-23 Detailed criteria used to support T2-TE-0250 approval (outlook for SIT Functional Readiness)

Illustration of PPs' readiness reporting scheme



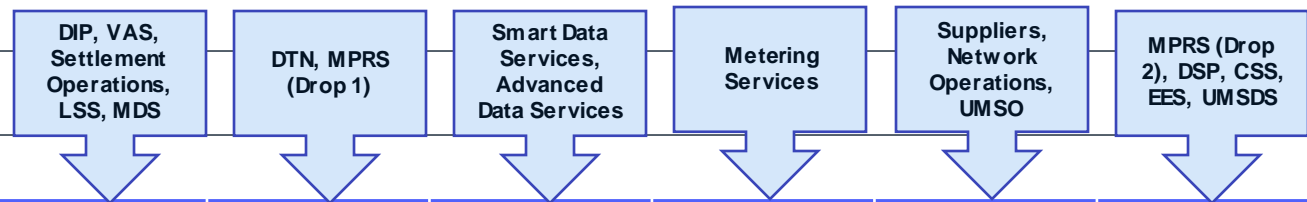
SIT CIT Readiness

Activity / Milestone	Notes	CIT Interval 1	CIT Interval 2	CIT Interval 3	CIT Interval 4	CIT Interval 5	CIT Interval 6
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	4 th Dec 23	8 th Jan 24	22 nd Jan 24
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	1 st Dec	5 th Jan 24	19 th Jan 24
SI Issues Overarching CIT Test Readiness Report	<ul style="list-style-type: none"> • 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	27 th Nov 23	18 th Dec 23	15 th Jan 24
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' envs	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
Environment Connectivity Proving Complete	Reduced from 8 weeks to 4 weeks	29 th Sep 23	20 th Oct 23	3 rd Nov 23	17 th Nov 23	8 th Dec 23	5 th Jan 24
SIT PPs' envs ready to start connectivity proving (incl certs)		1 st Sep 23	22 nd 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**)

Supported by a detailed criteria-based spreadsheet

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

Illustration of PIT progress reporting scheme



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	Illustrative RAG status		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 ***	10 th Nov 23 ***	01 st Dec 23 ***	29 th Dec 23***
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**)	17 th Nov 23 (No later than**)	8 th Dec 23 (No later than**)	5 th Jan 24 (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**)	27 th Oct 23 (No later than**)	17 th Nov 23 (No later than**)	1 st Dec 23 (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 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**)
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
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	4 th Dec 23	8 th Jan 24	22 nd Jan 24
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

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.

Overview of Decision Choreography and High-Level Criteria

Tier 1 Milestones (PSG-governed)

T1-TE-1000
System Integration Testing Start (M9)

30/10

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

21/8

T2-TE-0200
Data cut from relevant participants' production systems completed

T2-TE-0250
SIT Component Integration Testing Interval 1 Preparation Complete

23/10

Based on FTIG recommendation

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

11/8

T3-DB-0035
DIP Simulator uplifted to align with Interim Release 2

16/8

T3-TE-0017
Production data cut GONG decision

01/9

T3-TE-0069
SIT Component Integration Testing Test Cases approved

T3-TE-0019
SIT Participants' SIT A environments ready to start connectivity proving (CIT Interval 1)

Contingency for work-off items

SIT CIT Intervals 2 - 6

30/10

T3-TE-0060
Component Integration Testing Interval 1 Start

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 T3-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	

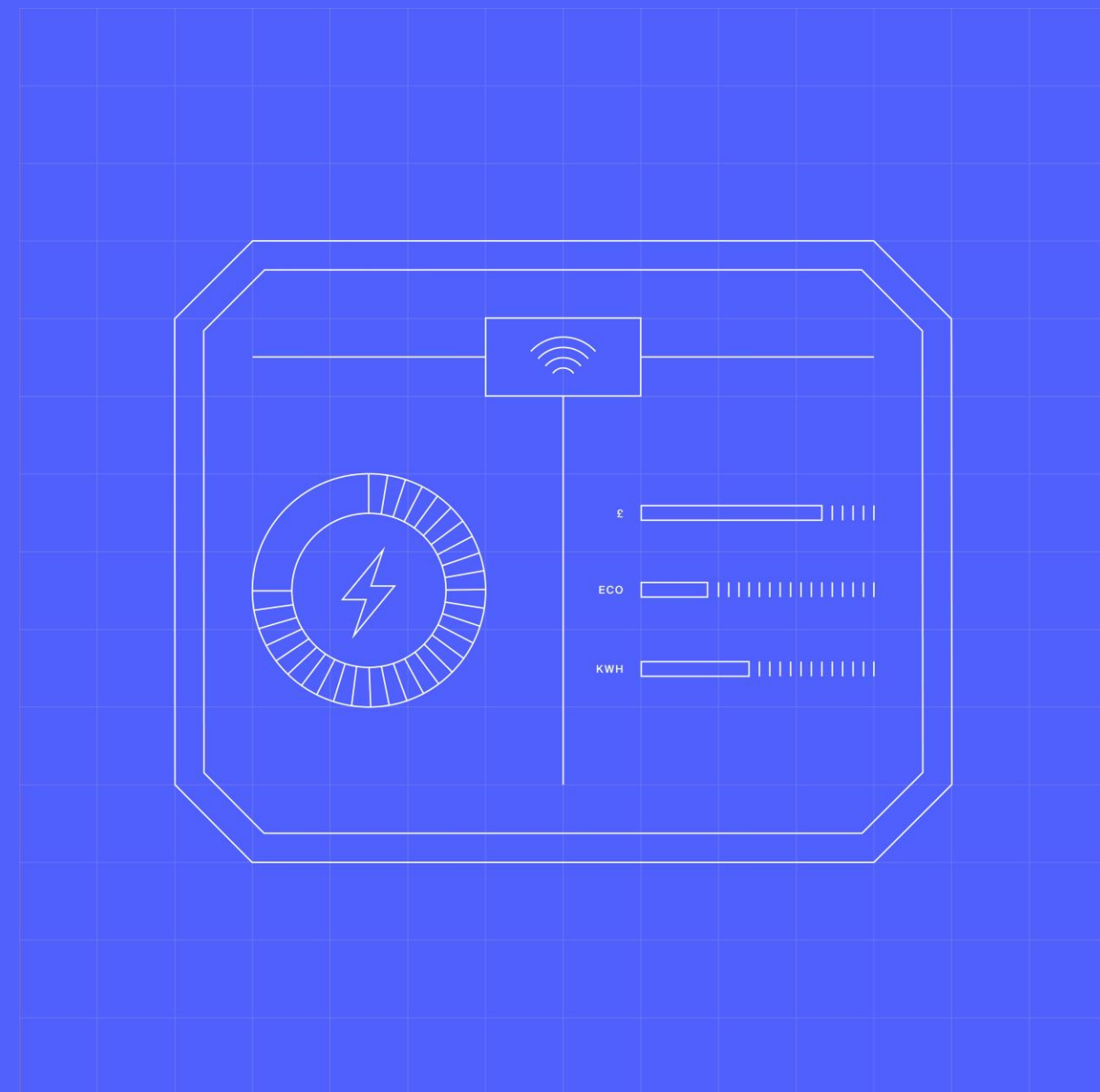
Details being worked through per timetable on slide 10

SIT Assurance Observations

INFORMATION: Overview of observations gathered as part of delivery and design assurance

Programme (Keith Clark, Giles Clayden, Paul Pettitt)

15 mins



Delivery Assurance observations

1. Delivery Assurance meetings with the Core Capability Providers are complete (Cohort 1)
2. Initial Cohort 2 meetings have been scheduled; further requested ones are yet to be confirmed: co-operation is requested

- The majority of participants provided information well in advance and were generally well-prepared for the sessions
- The majority of participants are either at 'green' status or have a viable plan to reach 'green' in good time

- Some participants were less supportive of the process and provided either a deficit of expected documentation or late documentation, and / or a lack of evidence to support their existing delivery reporting
- Generally, participants said they would like to see more documentation on the requirements for production data back-ups and on data augmentation / allocation / provisioning
- In one case, the participant's documented PIT approach is not yet fully in line with published guidance regarding maintaining the standard approach using the MHHSP DIP simulator mandated for PIT exit
- In one case, the participant's documented PIT timetable places high risk on readiness for their CIT interval
- Participants generally continue to cite concern about the impacts of the volume of design changes

- In one case, the participants' overall DBT plan is not currently and fully aligned to the programme plan and further investigation is required, to ascertain if that will have material impact and / or whether it may be resolved

Design Assurance: Current Timeline



1. Initial meetings with the Core Participants are complete
2. Deep-Dive reviews of the core participants are being scheduled for completion by end Aug 23
3. Deep-dive session for SIT participants have started with >80% scheduled for completion by 18 Aug-23

- Responses have been received from all Core Participants and the majority of SIT Participants
- There are high levels of engagement with the design across the respondents
- The majority of participants are already using the MHHSP support tools (DIP simulator).
- There are a number of participants placing reliance for their design on third parties

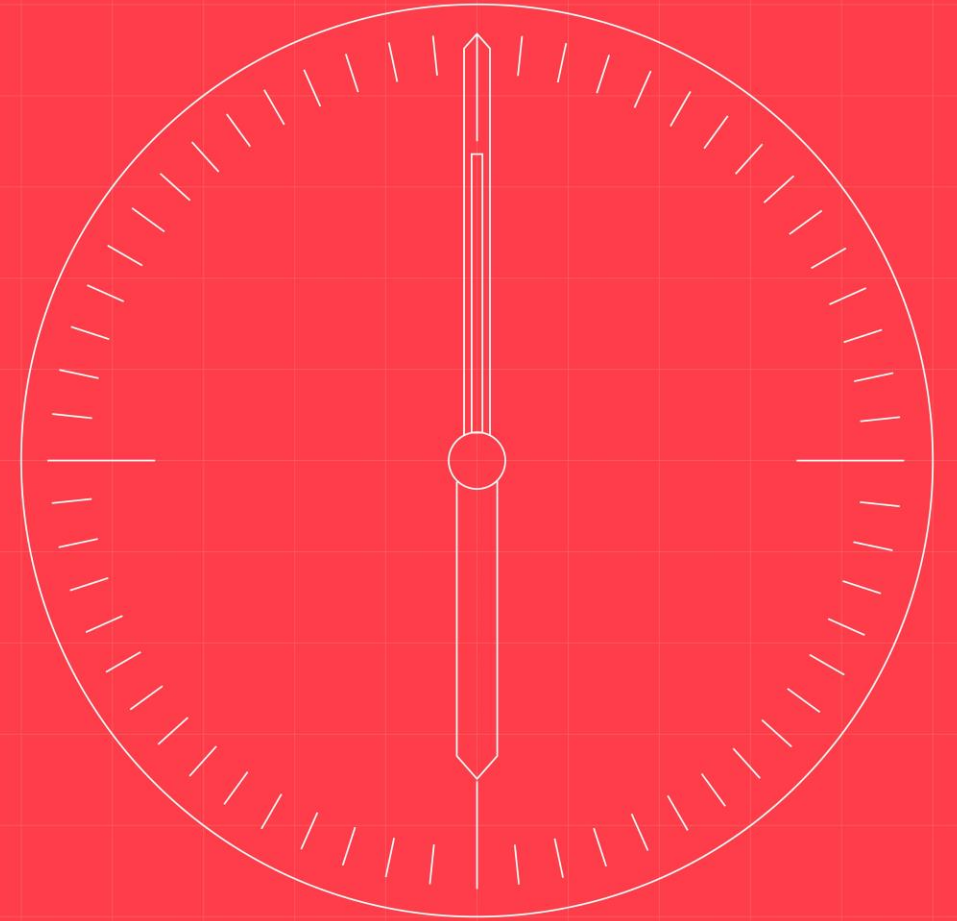
- Around half the Participants' designs are complete, reflecting perhaps the volume of changes to design artefacts.
- Participants expressed concerns around delivery timescales and understanding design
- Participants generally continue to cite concern about the impacts of the volume of design changes

Core Capability Provider Update

INFORMATION: Delivery updates from Core Capability Providers

St Clements / DCC / RECCo

30 mins

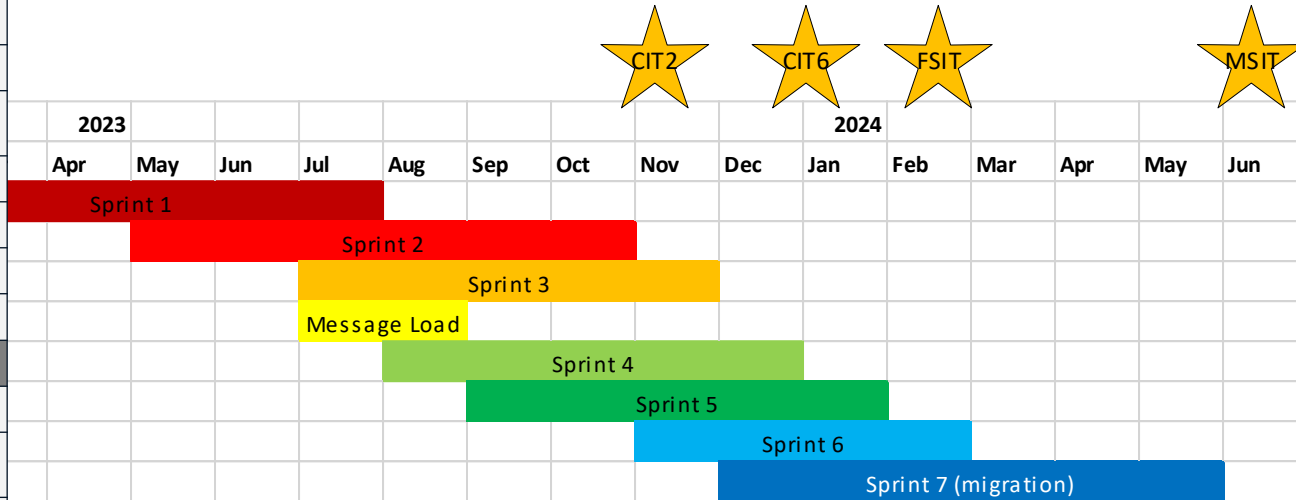


RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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Status & Outlook	Progress last month: <ul style="list-style-type: none"> Continuing to work with the programme to resolve new and existing DIs Completed MPRS development replan Working with the programme to understand what MPRS functionality is required for CIT Working to understand practical requirements of SIT Working with programme to understand Data Cut requirements Working with programme to understand Data Cleanse requirements 	Progress expected in the coming month: <ul style="list-style-type: none"> Continue developing each sprint Complete testing of Sprint 1 Receive Sprint 2 code Continue working DIs into MPRS design Arrangements with DNO/IDNO SIT volunteers for MPRS data Release MPRS PIT approach
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Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
Plans for design and build	31-03-23	31-03-23
Detailed plans for PIT	31-05-23	30-07-23
Replan/Reassessment of MPRS delivery plan		14-07-23
PIT exit	31-01-24	28-02-24

Decisions required	From whom?	By when?	
How will SIT work?	Programme	28-02-23	
Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Unplanned activity for data cut activity. Initial plans for data cut coincide with critical time with development/testing of MPRS code	Consider efficient ways to extract data and provide data back to MPRS to reduce any impact on the MPRS development. Consider timing to coincide with MPRS development plans	30-04-23	SCS/Programme
Assessing impact of migration design and the impact this may have on production interfaces	IAs to be performed	31-10-23	SCS
MPRS development replan showing later completion of development work	Reduce test coverage and work on fix forward approach Co-ordinate with programme to prioritise high impact scenarios/functionality	31-01-24	SCS
Is the role of SCS recognised correctly by the programme?	Programme and SCS to resolve apparent mismatch (software developer or core capability provider?)	30-11-22	Programme/SCS
SIT test cases not issued until September with not much detail or consultation	Ambiguity over test scenarios and experts being unable to review. Risk of inappropriate testing	30-08-23	Programme
Designing DIs at risk before programme confirmation that DIs are formally agreed	Support the fast-track approval process. Still a risk that we may require rework if changes are not approved	30-06-23	Programme
Risk of programme CRs which require MPRS development impacting level 1 milestones	Unable to extend scope within existing timelines. Programme to understand this constraint (eg D0170 decision) and act accordingly.	Ongoing	Programme
Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
MPRS high level plan broadly remains the same following detailed IA	Detailed IA to complete	Through to last sprint	SCS
Scope of MPRS development does not extend	Scope change (eg data cut/data cleanse/CRs) to impact milestones. Prevent scope change and consider delaying when functionality is required for testing	30-04-23	Programme
Programme governance/assurance does not impact MPRS delivery activities	Light touch and targeted approach	30-11-22	Programme
Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
Dependency on Programme to confirm decisions on above	Prompt responses and decisions required		



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 / environments has yet to be reached (above SEC Requirements)	Understand the exact requirements from the MHHS Programme and agree where DCC is required to support the Programme.	31-08-23	DCC/MHSP
2.Data-cut requirements are being investigated by DCC to support MHSP SIT Functional Prep, requirements supplied by Elexon and Change request raised with DCC Service Providers	Deep dives into specifics of data elements based on scope with MHSP Data team in conjunction with CSS and DCC. Initial requirements supplied by Elexon to support backup and retention of Production data.	19/08/23	DCC/MHSP
3.The MHHS Programme requires that stringent defect management timings are maintained for MHHS implementation. This does not align to existing DCC SEC implementation processes.	Continue discussions with Elexon to understand the gaps regarding timings by comparing known DCC processes against the Elexon Testing Approach strategy.	14/03/24	DCC/MHSP
4.Elexon require continuing availability of DCC UIT-B environments (SEC/REC) beyond the June 2024 SEC System Release date (27th June 2024). This has not been agreed with DCC via the proposed combined Governance framework and has resource, cost and environment implications as yet un-estimated.	Obtain baselined dates from the Elexon Programme, against which DCC can plan, cost and inform SPs and Elexon on approach to support.	27/06/24	DCC/MHSP
5. Elexon require Data cleansing to take place on all MHHS Parties to ensure the data is in the correct state prior to Live migrations initiating, which is due c.April 2025	Initial data cleanse approach for DSP/CSS reviewed by DCC SMEs. Number of concerns were highlighted to the MHHS Programme, all requiring changes that have been incorporated into the MHHS Programme Data Cleanse plan. (DEL1181). DCC to raise Change requests to service this requirement.	29/09/23	DCC/MHSP

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

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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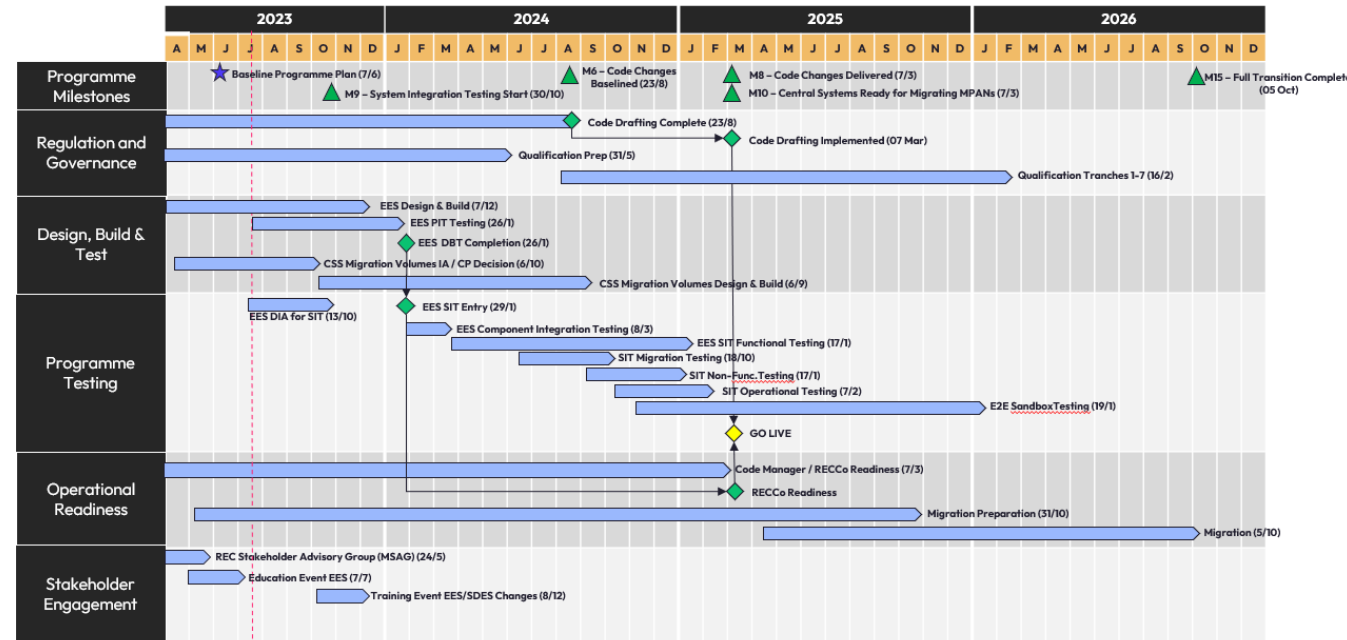
Status & Outlook	Progress last month: <ul style="list-style-type: none"> Proposal for moving interface drafting industry consultation approved Registration Code Drafting updated to address consultation comments and recent design change EES Pre-Integration Testing Approach and Plan review ed EES API Technical Specification under review Activities commenced for next DIA with C&C for SIT (CIT) and SIT Functional phases Development of the EES ->DIP Interface completed. (PIT Testing yet to commence) EES Education Event delivered 6/7 Delivery of further iterations of Qualification Approach & Plan still at risk due to dependency on replanned SIT artefacts. Delivery Assurance Cohort 1 Bilateral held 10/7 	Progress expected in the coming month: <ul style="list-style-type: none"> EES Pre-Integration Testing Approach & Plan and API Tech Specification Approval Continued EES build and test activities Progress DIA for SIT (CIT) and SIT Functional with C&C DPIA and Data Sharing agreements to be review ed and signed Governance and Qualification and Migration Code Drafting to be issued for consultation 18/8 Registration Code Drafting activities to be approved by CCAG 23/8 Replan Qualification Assessment Document delivery dates given change to dates for dependent SIT artefacts in baselined plan.
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Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
EES Core Build Complete	04/08/2023	12/09/2023
Registration Code Drafting	23/08/2023	23/08/2023
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 Issued	31/10/2023	31/10/2023
Gov/Qual, Interface/Data, Migration Code Drafting – CCAG Approval	13/11/2023	13/11/2023

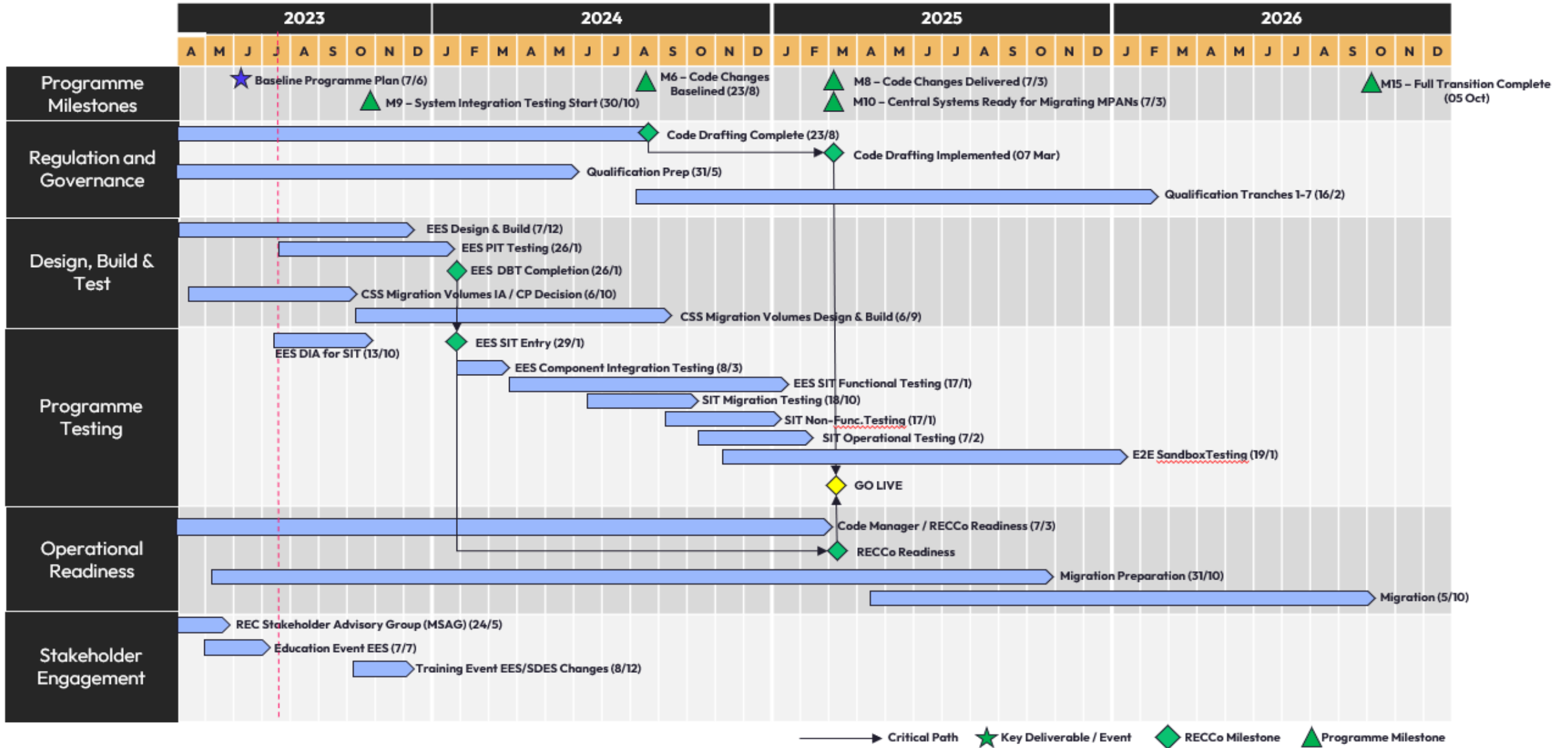
Decisions required	From whom?	By when?
None		

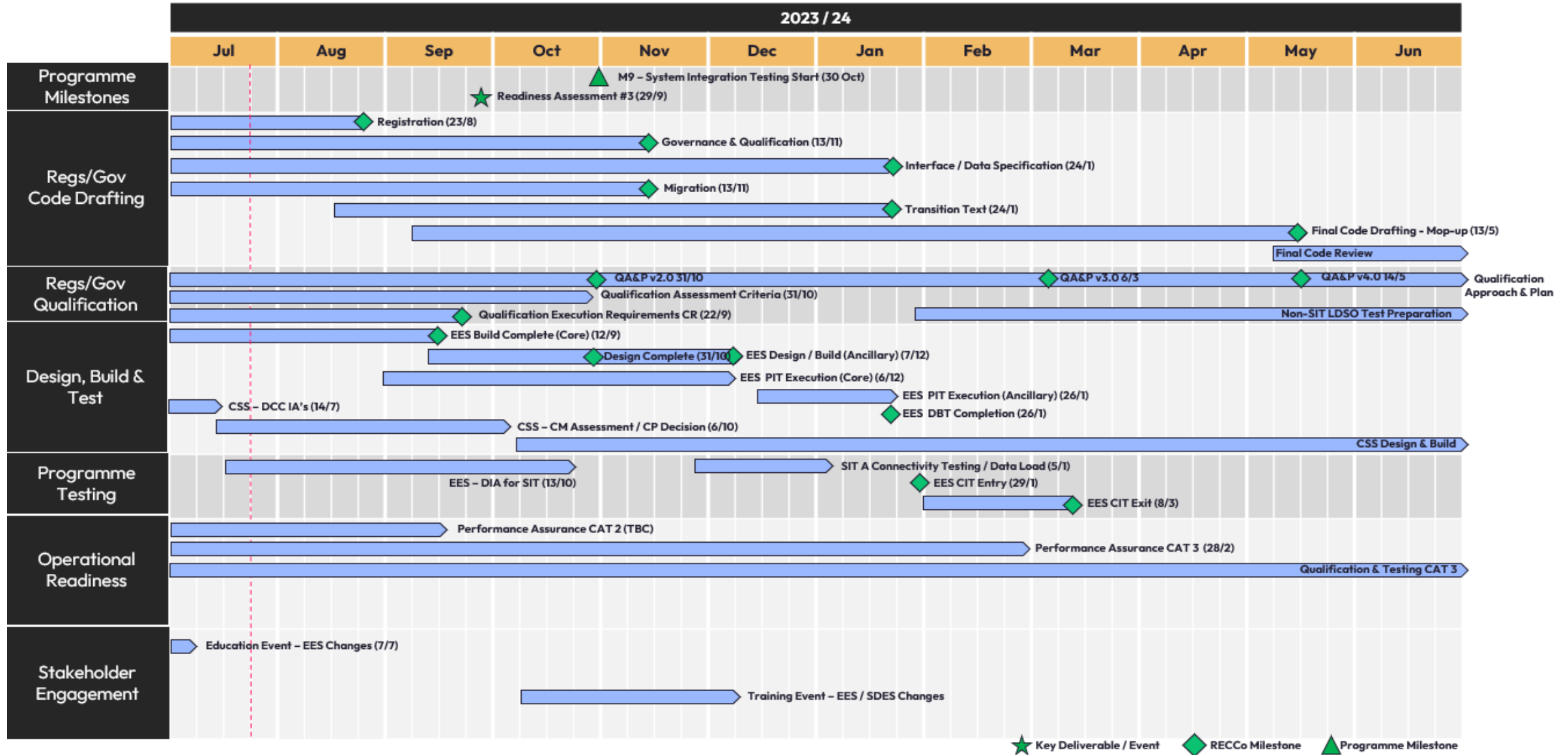
Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
There is a risk that changes to the MHHS design during the EES build phase cause unexpected changes to the EES design.	Continue to engage with Design Issues process to be aware of any issues as early as possible	Nov '23	Jonny Moore

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	ASAP	Andrew Wallace



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



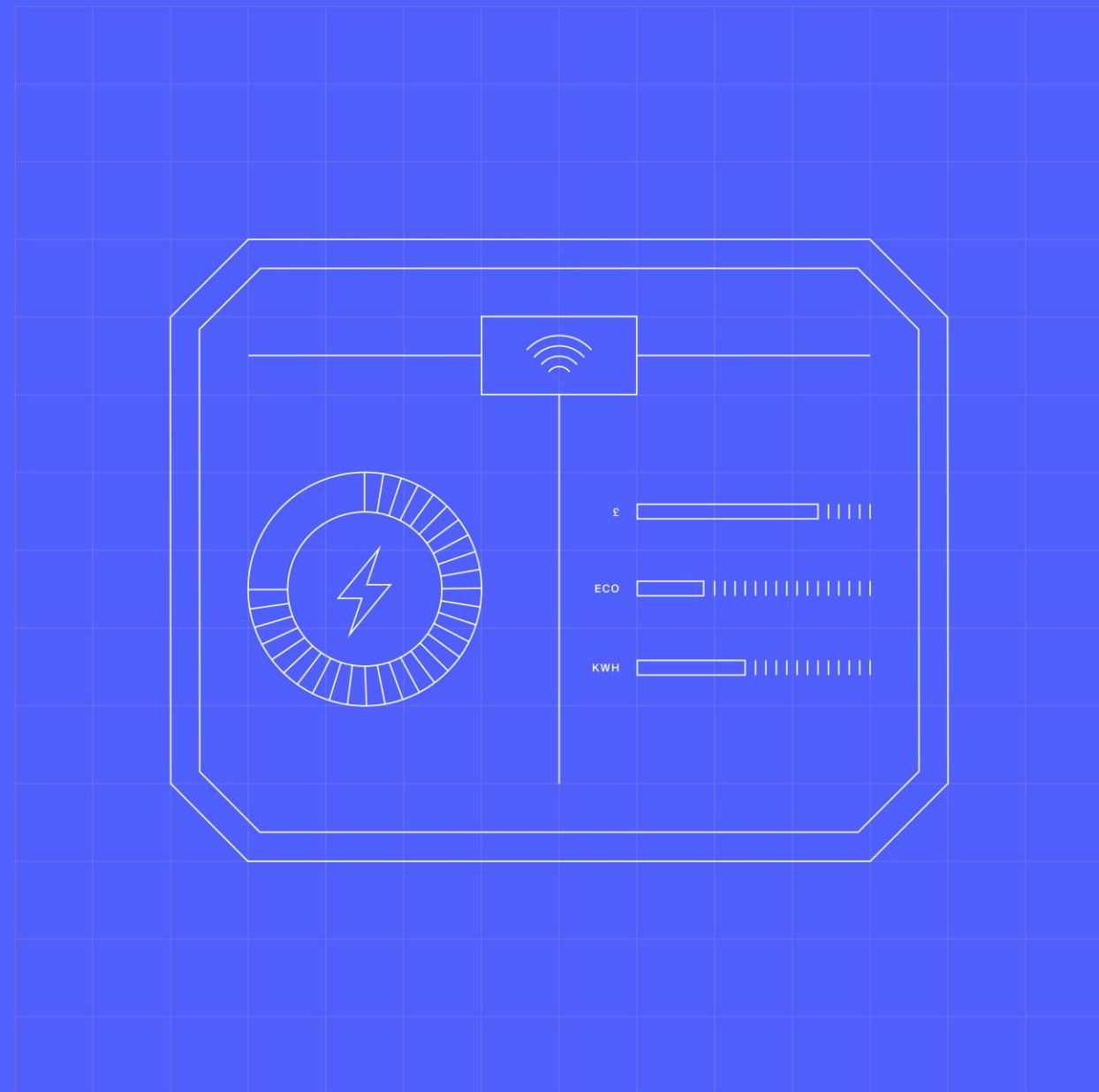


IPA Test Assurance Period 1 Report

INFORMATION: *Observations from the IPA's period 1 test assurance activities*

IPA (Richard Shilton)

10 mins



This slide sets out our **findings and recommendations for IPA Test Assurance Period 1 (P1)**, which incorporates periodic and continuous assurance activities from May to June 23. The assurance activity addressed two key exam questions, which were underpinned by 10 supporting questions. Our assurance activity was risk-based and was performed by selecting a sample of seven Participants to review their current status and to inform the overall view of the end-to-end programme’s progress towards achieving SIT readiness by October 2023.

Overall, the Programme is on-track but risks and issues exist that, whilst not unreasonable for a Programme of this size and complexity, need to be need to be addressed in order achieve readiness for SIT. With respect to the two key exam questions we have concluded that the end-to-end Programme’s status is as follows, with the key findings and recommendations below:

Is the Programme on track to complete PIT Functional?	Is the Programme on track to start SIT-CIT?
AMBER	AMBER

Finding	Recommendation
<p>1 Clarity around PIT phasing approach: Participants sampled were unclear as to exactly what PIT coverage was required for each test phase.</p>	<p>We have recommended that the LDP communicate this to SIT participants as soon as possible.</p>
<p>2 Clarity around which versions of design / simulator / DIP are to be the baseline for different test activities: We have noted some confusion around which versions of the design / simulator / DIP the participants’ systems need to be compliant with for each stage of testing.</p>	<p>We have recommended that a simple table is produced setting out the versions required against each test stage.</p>
<p>3 Uncertainty around design and DIN log process: Whilst there is a process in place to close off design issues, sampled participants were not all clear on the timelines and process for resolving items on the DIN log. There also remains caution amongst participants that design changes may carry a greater impact than is being assumed.</p>	<p>We have recommended that the Programme continues to close down design issues from the DIN and re-communicates the process and progress to FTIG.</p>
<p>4 Test data: Progress is being made on defining test data and its usage, control and management within testing but this is a complex area to define and there is a risk that any data cleanse/manipulation could require time to execute.</p>	<p>We have recommended that the IPA is commissioned to undertake a dedicated piece of assurance on test data.</p>
<p>5 Central Party delivery timelines: The LDP is currently in discussion with a central party provider around the timelines for implementing items on the DIN Log and how these can be accommodated within the programme schedule.</p>	<p>We have recommended that these discussions should be concluded as soon as possible.</p>

GREEN: On Track. Confident in the test approach to the extent that is reasonable for a Programme of this size and complexity and at this stage. Potentially some minor improvement points noted.

AMBER: On Track with risks and/or improvement points identified. Risks and/or improvement points are noted that are not unreasonable for a Programme of this size and complexity. However, they must be addressed to prevent a deterioration in status.

RED: Not on Track. More work is required by the Programme to provide confidence.

Our approach to assurance during this period has included two strands of activity. These are as follows

Continuous Assurance

- This involved attending regular test related governance meetings (e.g. FTIG, TMAG etc.) and reviewing programme artefacts as they have come available during the assurance period.
- Any significant observations from Continuous Assurance activity have been considered.

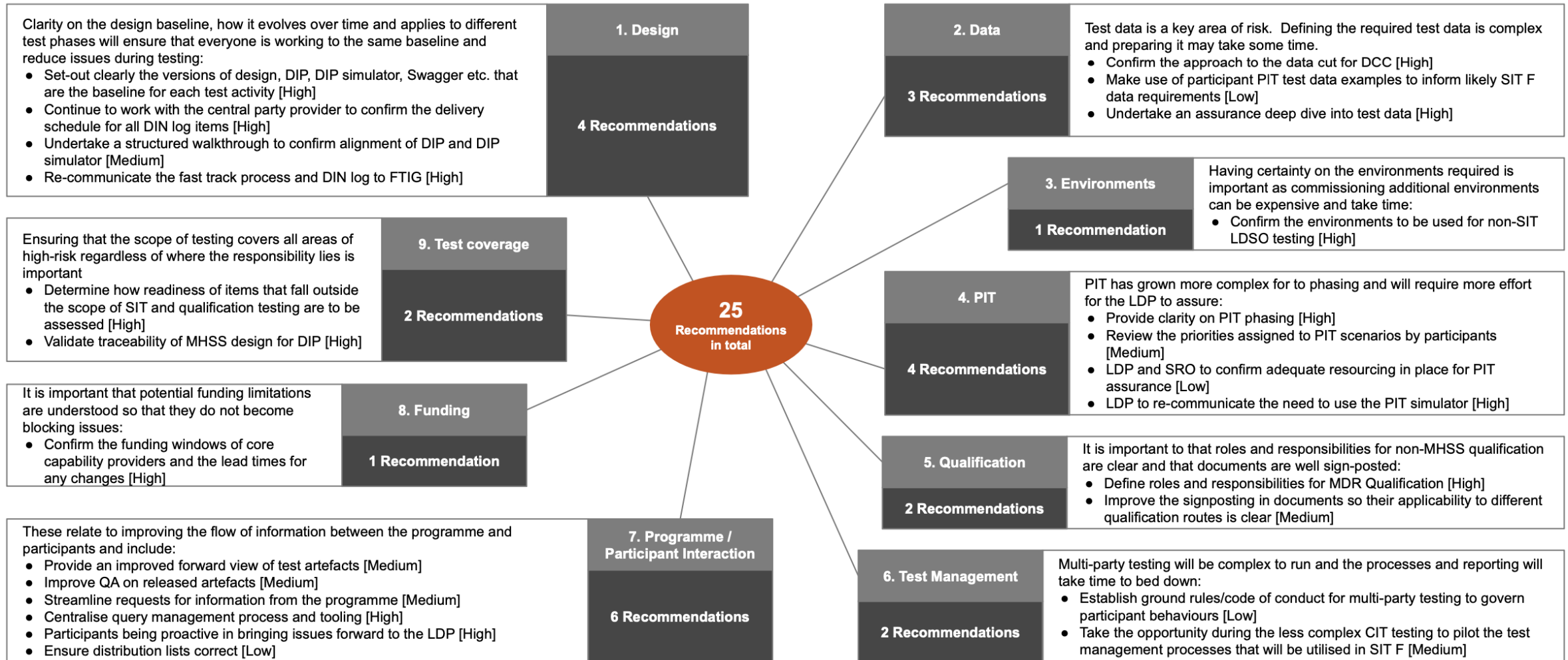
Periodic Assurance

- This consisted of interviewing a sample of six participants and the LDP to review their status against each of the relevant supporting exam questions.

Good practice noted:

- FTIG is functioning well and is providing SIT participants with a route for raising and resolving issues and questions.
- The LDP are pro-actively working with participants to resolve potential issues

Summary of recommendations - We have made **25** recommendations over **9** different themes. These are summarised in the diagram below.



The second IPA testing assurance periodic review, P2, will look at **readiness ahead of the start of SIT-CIT and how non-SIT participants are progressing**. We have identified a sample of 16 Participants across two cohorts to enable us to assess both SIT Participants and those following the Qualification route. Below are the key exam questions for these cohorts, along with a high level timetable. Participants selected as part of the sample will be contacted by PPC.

SIT participant cohort

Drawn from:

SIT Participants and LDP

Overall Exam Questions

- A. Is the programme/participant on track to complete PIT Functional?
- B. Is the programme/participant on track to start SIT-CIT?
- C. Are there any issues not covered above?

Qualification participant cohort

Drawn from:

Non-SIT Participants and Code Bodies

Overall Exam Questions

- D. Are you clear on the steps you need to follow for qualification testing and are you on track?
- E. Are there any issues not covered above?

High Level Timetable

Mobilisation - In progress

- PPC will contact selected participants
- IPA will hold bilateral briefing sessions with participants to explain process

Fieldwork - Mid August to Mid September

- Bilateral conversations with participants (in person or virtual - approx. 1.5 hours)
- Review of supporting evidence
- Follow up and validation

Reporting - 30 October 2023

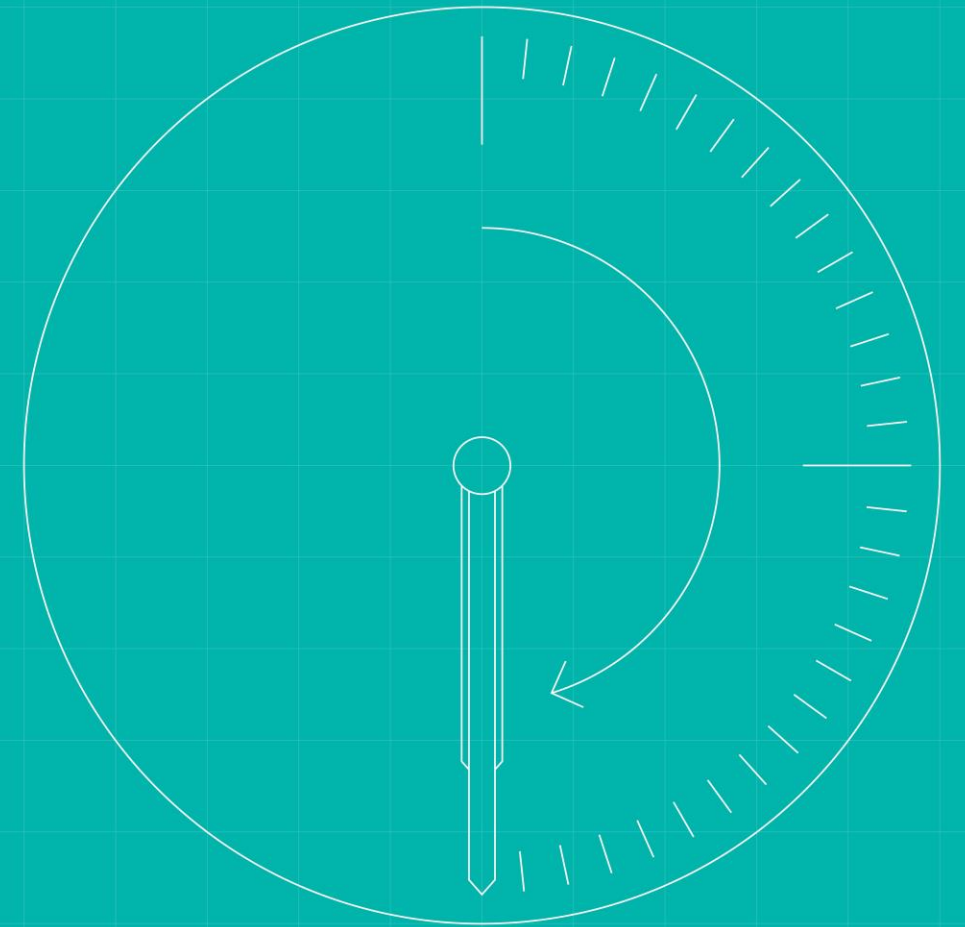
- Presented to SRO ahead of decision to enter CIT
- Executive summary shared with PSG in advance of 1st November

Delivery Dashboards

INFORMATION: Questions from PSG members on delivery dashboard content

Chair

10 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)	Provide a progress update on in-flight and planned assurance activities

Risk theme 1: Commencing and completing SIT as planned

RAID (1 of 3)
Updated to 25/07/2023

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 SIT PPs in early CIT intervals have starting submitting their PIT plans for SI assurance Strong liaison with Code Bodies on Qualification requirements that drive SIT requirements 	Previous RAG	Amber (17 Risks)
			Current RAG	Amber (20 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 into their CIT Interval																														No change	<ol style="list-style-type: none"> Design, Delivery and Test Assurance + tracking of PPs on-time delivery of PIT plans, RTTMs 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
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																														No change	<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 Fast Track Implementation Group (FTIG) - PPs reporting blockers Challenging plans via account management and bilaterals Assurance of SIT volunteers and deep diving into certain responses Staggered approach
R567	There is a risk that a number of Supplier SIT Participants may withdraw from SIT if the scope of Qualification (and therefore SIT) continues to mandate the testing of all customer segments and metering variations. Qualification scope aligns to the roles in the MHHS Design.																														New Risk	<ol style="list-style-type: none"> The scope of SIT is being driven by the scope of Qualification, which is the responsibility of Code Bodies, to ensure that there are no additional tests required between SIT & Qualification. Programme discussing issue with BSCCo, who have responsibility for setting the scope of Qualification BSCCo to discuss the scope of Qualification with BSC PAB Programme to monitor progress of scoping discussions
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. This specifies environment approach parties to take and number of environments, but this cannot be enforced Monthly Environments Working Group (EWG) - standing item for PPs to raise concerns Monitoring each Test phase during SIT stages

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

Document Classification: Public

Risk theme 2: Commencing and completing Migration successfully

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 (signed off by TMAG in July) and ongoing Code Drafting will also give Participants necessary materials to prepare for M10 / M11 	Previous RAG	Amber (19 items)
			Current RAG	Amber (20 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, which would not leave enough time to migrate a large portfolio before the M15 deadline																																<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 – for any Supplier that is in Tranche 7 of Qualification, there is still planned to be over 6 months to migrate MPANs Any incentive regime for Migration will be a matter for Ofgem not the Programme
R353	There is a risk that the actual volume / rate of MPANs which can be migrated does not align with the current modelling and assumptions being made by the Programme																																<ol style="list-style-type: none"> Future: E2E non-functional SIT testing to validate proposed volumes are feasible Agreeing individual volumes with suppliers - detailed planning with each individual organisation (migration workstream tbc) Monitoring early phases of migration - as volumes are ramped up, any deviance from assumptions to be flagged
R044	There is a risk that migration approach leads to participants and running of old systems alongside the new ones for an extended time during the Migration period																																<ol style="list-style-type: none"> Design the migration approach with PPs in mind and ensure it is as simple as possible for them to operate, including a clear way to deal with outliers at the end of migration Communicate the approach clearly, widely and thoroughly to the participants and assure their understanding of it and their plans for it in a rigorous way
R131	There is a risk that there is a lack of clarity around the R&Rs between MHHS and the Performance Assurance Board (of the BSC) in regard to the ownership of migration preparation activities (e.g., adding data items, conducting data cleansing)																																<ol style="list-style-type: none"> Data Cleanse Plan has defined roles and responsibilities The programme will provide the assurance of each PPs progress against the plan not the REC or BSC PAB Reporting will be made available to TMAG on a monthly basis
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																																<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
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																																<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)

Key	
I	Initial Score
C	Current Score
T	Target Score

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

RAID (3 of 3)
Updated to 25/07/2023

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 risk include: <ul style="list-style-type: none"> Programme DPIA complete Deadlines communicated to SIT PPs (19th August 2023 deadline for SIT data cut, 28th August 2023 for Data Sharing Agreements) Bilaterals held with SIT PPs to discuss the scope of PP data cuts Data cut will be constrained to SIT volunteers and only the c.4 million MPANs of the two DNOs volunteering Programme has issued data cut guidelines and CIT data loading guidelines due 26th July 2023 	Previous RAG	Amber (7 risks)
			Current RAG	Amber (6 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
R127	There is a risk that the programme doesn't have a legal basis to receive and share Personal Identifiable Information (PII) from MPANs, impacting CIT start (see also R501)																																+8 (12 to 20)	<ol style="list-style-type: none"> DPIA has been completed by Elexon and shared with PPs Individual Data Sharing Agreements between Elexon and SIT participation are needed. Drafts have been shared with PPs for review and signature- deadline 28th August 2023 PPs may have to complete their own DPIAs
R181	There is a risk that more "manufactured" data than anticipated in the Overarching Test Data Approach & Plan must be used in SIT, resulting in an additional resource need or additional cost, and potentially more defects found																																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 to analyse the last EES data report to check data variety
R501	There is a risk of participants not providing data for SIT (see also R127)																																+9 (11 to 20)	<ol style="list-style-type: none"> Data cut reduced to SIT volunteers and only consisting of the c.4 million MPANs of the two DNOs who have volunteered – so a smaller data cut for PPs to provide First data cut deadline 19th August 2023 from PPs. MHHS to send first block of data back to PPs by 15th September 2023. MHHS Issued data cut guidelines to PPs 20th July RECCo and Elexon-Helix agreed to share EES data and MDD/ISD to be used
R529	There is a risk that participants do not know which systems they need to take a data cut from (rather than systems required for their test environment)																																No change	<ol style="list-style-type: none"> MHHS Bilateral calls complete with all SIT PPs to ensure understanding of data cut ask- MHHS SIT PPs engaged and aware of the ask of the systems involved in test Ongoing calls with LDSOs and suppliers

Key	
I	Initial Score
C	Current Score
T	Target Score

Change Request Status

Change Control
Updated to 24/07/2023

Ref.	Key Detail	Change Raiser(s)	Change Type	Latest Action	Approval Status	Current Stage in Change Control	Action If approved	Implementation date/milestone	Change Owner(s) If approved
CR017	LDSO Registration Service Dip messages processing times	Catherine Duggan, Electricity North West	Full Impact Assessment	Rejected by DAG Chair (12/07/23)	Rejected	-	-	-	Smitha Pichrikat, MHHS Programme
CR018	Registration Service Operating Hours	Ian Smith, MHHS Programme	Full Impact Assessment	Approved by DAG Chair (12/07/23)	Open	Implementation	DAG members to review redlined Operational Choreography	Interim Release 3 (02/08/23)	Smitha Pichrikat, MHHS Programme
CR019	Replacement of D0242/D0315 for MHHS	Peter Waymont & Neal Medley, Eastern Power Networks	Full Impact Assessment	Approved by DAG (12/04/23)	Approved	Implementation	To be implemented in Design Release 2	Interim Release 2 (05/07/23)	Ian Smith & Paul Pettitt, MHHS Programme
CR020	Interim plan extension	Amy Clayton, MHHS Programme	Housekeeping	Change Board Approved (24/04/23)	Approved	Completed	Update artefact and republish	-	Amy Clayton, MHHS Programme
CR021	Update TMAG Terms of Reference to reflect option of meeting co-representation	Amy Clayton, MHHS Programme	Housekeeping	Change Board Approved (29/03/23)	Approved	Completed	TMAG ToR Updated	-	Amy Clayton, MHHS Programme
CR022	MHHS Programme Re-plan	Lewis Hall, MHHS Programme	Full Impact Assessment	Ofgem Approved (08/06/23)	Approved	Completed	Publish artefacts on Collaboration Base	-	Giles Clayden, MHHS Programme
CR023	Standardisation of Interfaces within the Smart and Advanced Data Services Roles	Haz Elamoun, Engage Consulting	TBC	Issued for Impact Assessment (deadline 28/07/23)	Open	Issued for Impact Assessment			Paul Pettitt, MHHS Programme
CR024	Data Item Names and Descriptions	Sarah Jones, RECCo	Full Impact Assessment	Re-issued for Impact Assessment (deadline 20/07/23)	Open	Issued for Impact Assessment			Paul Pettitt, MHHS Programme
CR025	DIP Interface Name Changes	Sarah Jones, RECCo	Full Impact Assessment	Approved by DAG (12/07/23)	Approved	Implementation	Agree implementation date once decision is made on CR024	TBC	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	Issued for Impact Assessment (deadline 27/07/23)	Open	Issued for Impact Assessment			Paul Pettitt, MHHS Programme
CR028	EES and SDEP Requirements	Jonny Moore, RECCo	Full Impact Assessment	Validated by Change Board (18/07/23)	Open	Awaiting DAG validation			Paul Pettitt, MHHS Programme
CR029	DIP LDSP Interface Processing	Pachael Prosser, NGED	TBC	Na	Open	Awaiting Change Board validation			TBC

SIT Status

SIT Status
Updated to 21/07/2023

Core Capability Providers	Status	Comment
Elexon (Helix)	Amber	PIT exit for M9 remains achievable but with minimal contingency and increasing risk. Re-work of plan based on PIT testing with DIP Simulator required. Confirmation received from Helix that IR1 and IR2 can be met; awaiting clarity on timing of 2 DINs in Jan-24 and potential impact (if any) on CIT testing
DIP	Amber	Design – one document awaiting final approval but no impact on delivery dates Build is on track for IR1 PIT by end of Sep; risk to delivery as IR2 scope includes material changes to the DIP On track for CIT start date; dialogue with MHHS team on aligning (1) DIPs connectivity dates; (2) environment build dates and (3) DIPs PIT exit date for IR2 build
St Clements	Amber	Latest SCS plan shows additional sprints with later sprints at risk of not meeting CIT interval 6 with adequate PIT assurance. Initial release for CIT Interval 2 has no contingency Solution to support CIT is under review with MHSP
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 and test data – conclusions on those matters should return status to green
ElectraLink	Green	ElectraLink requires confirmation of changes required to DTN Flows
LDP (SI)	Amber	Test deliverables on track with key approvals at TMAG in July and additional artefacts on track for August and September, following initial delays developing CIT and SIT Functional test scenarios Design Interim Releases being issued monthly Data cut & test data next steps - communications made on 20 th and 26th July, with signed data sharing agreements (for relevant PPs) requested by or before 28-Aug

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

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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Status Update	<p>ElectraLink updates for August 2nd PSG:</p> <ul style="list-style-type: none"> • ElectraLink needs MHHS confirmation on further changes required to DTN Flows. • ElectraLink is actively engaged with the MHHS Programme by participating in the Systems Integration Test Working Groups (SITWG), Data Working Group (DWG), Design Advisory Group (DAG), fortnightly sessions with the programme and Webinars. • There are 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.
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Decisions required	From whom?	By when?
Testing flags to be used by the Programme to be confirmed.	Programme and ElectraLink	DTN testing start
Changes to the DTN flows to be confirmed	Programme	DTN testing start

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

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

RAGs	Overall	Approach	Plan	Resources	Budget	Risk
Status & Outlook Activities reported as progressed in July : <ul style="list-style-type: none"> MHHS Stage 0 : changes went live on 30th June 2023. Internal planning and Internal Functional/Analysis/Design LDSO systems build DIP Adapter service procurement progression Data Cleanse plan (DEL1181) reviewed. LDSO Data Migration capacity planning discussed. Cont' Internal Reviews of DPIA requirements for Data Cut Internal Reviews of GDPR – DIP Adaptor Review of Programme artefacts/ Industry consultation: Data Cleanse Plan, 'The Overarching Test Data Approach & Plan', 'SIT functional test & test data approach and plan'. PIT guidance document, Impact assessment of Programme CRs –R0083/A, CR024, CR025, CR027. Attended various Programme meeting with MHHS, St-Clements 	Activities reported as expected to progress in August: <ul style="list-style-type: none"> DBT1 – Requirements, Progress detailed design and build, Test Strategy. Internal planning and Internal Functional/Analysis/Design LDSO systems build Procurement of systems for DBT1 (adapter, DNO sub-systems). Data Cleanse plan (DEL1181) review and include a delivery plan. Review of CRs to resolve Design issues. Review of DIP Simulator usage in development/ PIT. Continue to attend various MHHS Programme meetings; Review of artefacts. GDPR/ DPIA – Data Governance Assurance activities 		DNO Key Milestones (in Round 3 plan)	Round 3 date & confidence level/ RAG	Reasons for confidence levels	
	For those intending to participate in Systems Integration Testing (SIT) - SSEN					
	M9 - SIT CIT start	25-08-23 1 High confidence	1 DNO confirmed as SIT Volunteer (SSEN) Dependency on Elexon providing a data sharing agreement (as data controller) and SCS providing data processing agreement for MPRS SOUT data.			
	SIT (Functional) start	27-Feb-24 1 Medium confidence	1 DNO confirmed as SIT Volunteer (SSEN) SCS to carry out on behalf on SSEN. Other DNO's to place reliance upon SCS testing. Confidence score could be higher if a change freeze was in place to enable the design of MPRS 9.0 to be completed.			
M10 - readiness to support migration start, including Registration Services. Network Operators and UMOS	07-Mar-25 1 High confidence					
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	5 DNOS will not participate in Industry SIT and therefore will be subject to the non-SIT LDSO (qualification) testing process Medium Confidence as Programme need to deliver a detailed approach & agree with participants: - Network Operations/ DURABILL/UMSO/LDSO approach still to be decided (including use of the DIP interface) – subject to programme clarifications - Subject to no further significant design changes				
M10 - readiness to support migration start, including Registration Services. Network Operators and UMOS	07-Mar-25 5 Medium confidence	5 DNOS will not participate in Industry SIT and therefore will be subject to the non-SIT LDSO (qualification) testing process As above, Medium Confidence as Programme needs to: - Deliver a detailed approach & agree with participants - Network Operations/ DURABILL/UMSO/LDSO approaches to be decided (including use of the DIP interface)				
Decisions to be made by DNOs			Impact of no decision	Decision by when?		
Complete adapter procurement	Impact of testing readiness for Qualification	ASAP but by 31/08/2023				
Raise CR to resolve design issues – LDSO internal / UMOS flows to go via the DIP.	Additional costs for data flow interface via DIP that are already available within DNO.	ASAP but by 31/08/2023				
Clarify how Placing Reliance will work for DNO's during SIT MVC for Registration Services, Networks Operations, & UMOS roles.	Failure to qualify	ASAP but by 31/08/2023				
Decisions required from the programme			Impact of no decision	Decision by when?		
CR019 – define scope of testing/evidence for proving central systems (data services / load shaping)	Risk to DNO recovery of DUoS charges if central systems do not fully provide consumption data	15/05/2024				
Design issue re requirement to route internal DNO interfaces via DIP (Registrations – LDSO; UMOS –LDSO) – CRxx raised by NGED for LDSO interfaces	Unnecessary Complexity, Cost, and Risk to programme delivery with no identified benefits. Knock on impact to Testing, Qualification and Code Drafting	ASAP but by 31/08/2023				
Release date for SIT Test Cases.	Unnecessary work expended trying to work out cases from the SIT test scenarios provided.	ASAP but by 31/08/2023				
Escalations (priority items for attention and support from the programme)			Action by when?			
Release date for SIT Test Cases.			September 2023			
Clarification of Qualification testing requirements (non-SIT LDSO's)			ASAP			
ISD interface design			ASAP			
LDSOs see no requirement for UMOS to interact with the DIP for messages when this is currently carried out via MPRS - Require justification/review by the Programme (as there are potentially material cost implications)			ASAP			
Test data request has been moved to Aug 2023, however there are no DPIA details or discussions ongoing. LDSOs cannot release this information until agreed with LDSO GDPR teams			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 basefined but Detailed Design remains incomplete		Build cannot be completed, risk to testing milestones and readiness for M9	Resolve outstanding design issues			
Potential impact on DNO budgets dependant on environment requirements and timescales needing confirmation.		Potential under-recording of DNO cost impacts in the Programme benefits. DNOs will require approval of additional Programme funding	Require firm commitments on requirements for Environment requirements for Non-SIT LDSO testing.			
In relation to ongoing Programme discussions, further change may be required to Registration Systems		This may impact the delivery timescales and potentially delay delivery. Additional cost implications for DNOs	Ongoing discussions on proposed changes, and a reasonableness approach adopted (potential change freeze)			
Risk to System Design internal and suppliers if CR's are not approved timely		Missing programme deadlines and milestones. Additional costs	Ongoing discussions with programme and governance			
DNO Adaptor status						
Decision to use an adaptor		Functional scope of adaptor agreed		Adaptor procurement completed		
Yes 6		Wider 6		4 Complete – 2 In Progress		

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	
Status & Outlook	Activities reported as progressed in July: <ul style="list-style-type: none"> Completed IDNO collaborative testing commercials and commenced IDNO SIT forums. Determined testing approach (non-SIT) Monitored progress of LDSO DINs. Updated internal Project Plans to align with the Programme Plan. Supported CR018 approval. Ongoing review of code drafting. Responded to CRs 024 and 027. Reviewed Data Cleanse Plan amendments. Commenced Elexon Data Privacy Agreement review. Implemented changes to meet CP1558 requirements. Prepared for upcoming Delivery Assurance session. Progressed third-party UMSSO system provision. 		Activities reported as expected to progress in August: <ul style="list-style-type: none"> Ongoing readiness for SIT. Continued review of draft Code changes. Review impact of migration activities. Continued monitoring of LDSO DINs progress, particularly optional DIP messaging CR. Continue to review data cleanse and preparation requirements. Prepare for Design Assurance Deep Dive. Progress third-party UMSSO service provision contractual negotiations. 		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 but still some preparation to do.		
	SIT (Functional) start		27-Feb-24 <input type="checkbox"/> High confidence <input checked="" type="checkbox"/> Medium confidence <input type="checkbox"/> Low confidence				
	M10 - readiness to support migration start, including Registration Services. Network Operators and UMSSOs		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.		
	For those intending to participate in non-SIT LDSO (qualification) testing						
	Non-SIT LDSOs testing start (Functional / Migration / NFT / Ops)		02-Jul-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's test management (as shown in Faster Switching Programme) provide confidence. Some parties will gain a better understanding of the non-SIT requirements following the procurement of third-party software providers. Likely to be August 2023.		
	M10 - readiness to support migration start, including Registration Services. Network Operators and UMSSOs		07-Mar-25 <input type="checkbox"/> High confidence <input checked="" type="checkbox"/> Medium confidence <input type="checkbox"/> Low confidence		There is expected to be more confidence in this readiness state once testing and placing reliance plans are in place.(Talk to above Amber Plan RAG for 1 party) Placing Reliance policy and contracts now in place with third parties with expertise in energy industry Programmes' test management (as shown in Faster Switching Programme) providing confidence.		
	IDNO Adaptor status						
	Decision to use an adaptor		Functional scope of adaptor agreed		Adaptor procurement completed		
Yes [6]		No [0]		MPRS only [1]		Wider [2]	
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 UMSSO service not covered off under Placing Reliance policy.		Bespoke system will have to go through separate qualification.		August 2023			
Decisions required from the programme		Impact of no decision		Decision by when?			
Clarifications and conclusions on mandatory/optional DIP messaging (CR to be raised) and design log issues. This would reduce the Amber Risk RAG to Green.		Additional systems build to accommodate unnecessary flows and unable to progress DBT.		ASAP – impacting on our DBT			
Confirmation from Code Bodies that Service Provider can take members of INA and IDNO Community through test phases as collective.		IDNO community unable to progress to proposed testing plan.		ASAP – will impact IDNO SIT / Non-SIT participation & Qualification readiness			
Escalations (priority items for attention and support from the programme)			Action by when?				
Clarity and resolution on the above			ASAP – impacting our own DBT				
Risks or Issues		Impacts		Opportunities to resolve and deliver as soon as possible			
All systems ready for SIT start		Will be unable to participate in SIT		Continued working towards all system readiness			
Continued changes to Design		IDNOs unable to complete build		Continued engagement with Programme to determine design			
Appeal of CR018 approval		If decision to reverse through appeal process, a significant impact on DBT		Maintain CR018 decision.			
Impact of MHHS on industry codes during SCR Code Reform needs to be addressed		SCR Code Reform delayed which may cause MHHS administrative delays and/or additional cost to incorporate MHHS in required Codes		SCR continued working with MHHS to ensure a smooth incorporation			

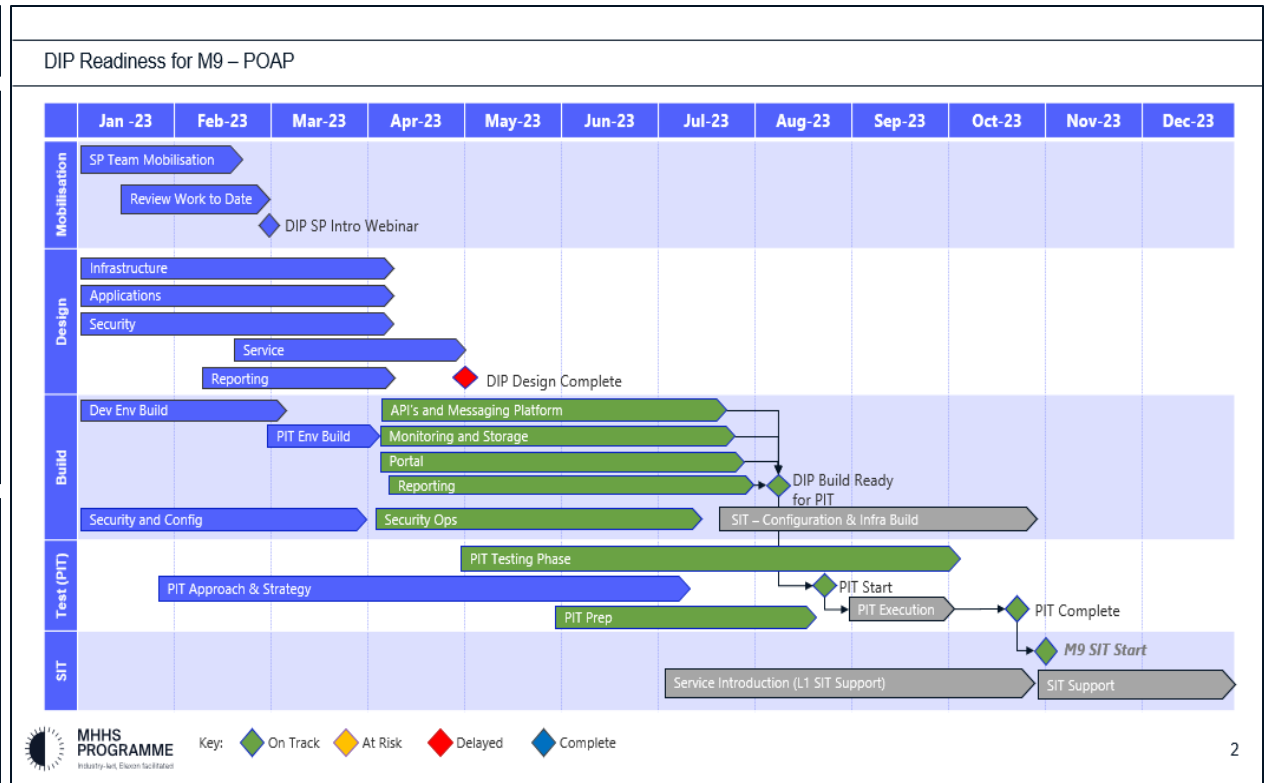
RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers	
Status & Outlook	Progress last month: <ul style="list-style-type: none"> DIP Build Sprints 5 & 6 complete, progressing in line w schedule Approval pending for remaining 1 key DIP Design deliverable: <ul style="list-style-type: none"> Logical Architecture 3 key DIP Testing deliverables issued in line w schedule <ul style="list-style-type: none"> DIP Defect Management Approach approved Progress by workstream <ul style="list-style-type: none"> Delivery & Change – Infographic and DIP Roadmap to CIT created Applications – Initial Onboarding, MPAN update flows completed Infrastructure – addition of P2S VPN to PIT environment done Security – Application Security testing (DAST, SAST) integrated Testing – Defect Management Approach approved and PIT Test Plan, Test Data Specification documents sent for approval Service – Level 1 'Front Door' for CIT discussions progressing along w review of Service Acceptance Checklist 			Progress expected in the coming month: <ul style="list-style-type: none"> Immediate focus on securing approval for remaining 1 key Design deliverable to mitigate risk of rework and schedule impact: <ul style="list-style-type: none"> Logical Architecture Build Sprints 7 & 8 to run through to DIP 3 milestone on 11th August Delivery of changes for IR1 ahead of PIT start on 29th August SRO to review impact assessment of Onboarding requirements, CR for IR2 to be finalised Workstream focus: <ul style="list-style-type: none"> Delivery & Change – facilitate review and approval of multiple deliverables and work products (Design, Build & Test) Applications – Message Replay, APIM developer portal integration Infrastructure – Azure Policy Implementation, CI/CD Security Security – ACAM API Integration & ACAM backend implementation Testing – Automate API Test scripts & Performance test scripts Service – Service Design Baseline formal approval 			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
Logical Architecture Design deliverable has not been approved and Build Sprint 7 has started	Progressing Build at risk in line with schedule. Define action(s) for approvals and prioritise resolution.	31/07/2023	Rob Golding (Paul Daniels)
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	04/08/2023	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)	02/08/2023	Rob Golding (Lou Otway)

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
DIP Build proceeding based on Architecture as documented	Final approvals for the Logical Architecture documents	31/07/2023	Rob Golding

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)	25/08/2023	Smitha Pichrikat



RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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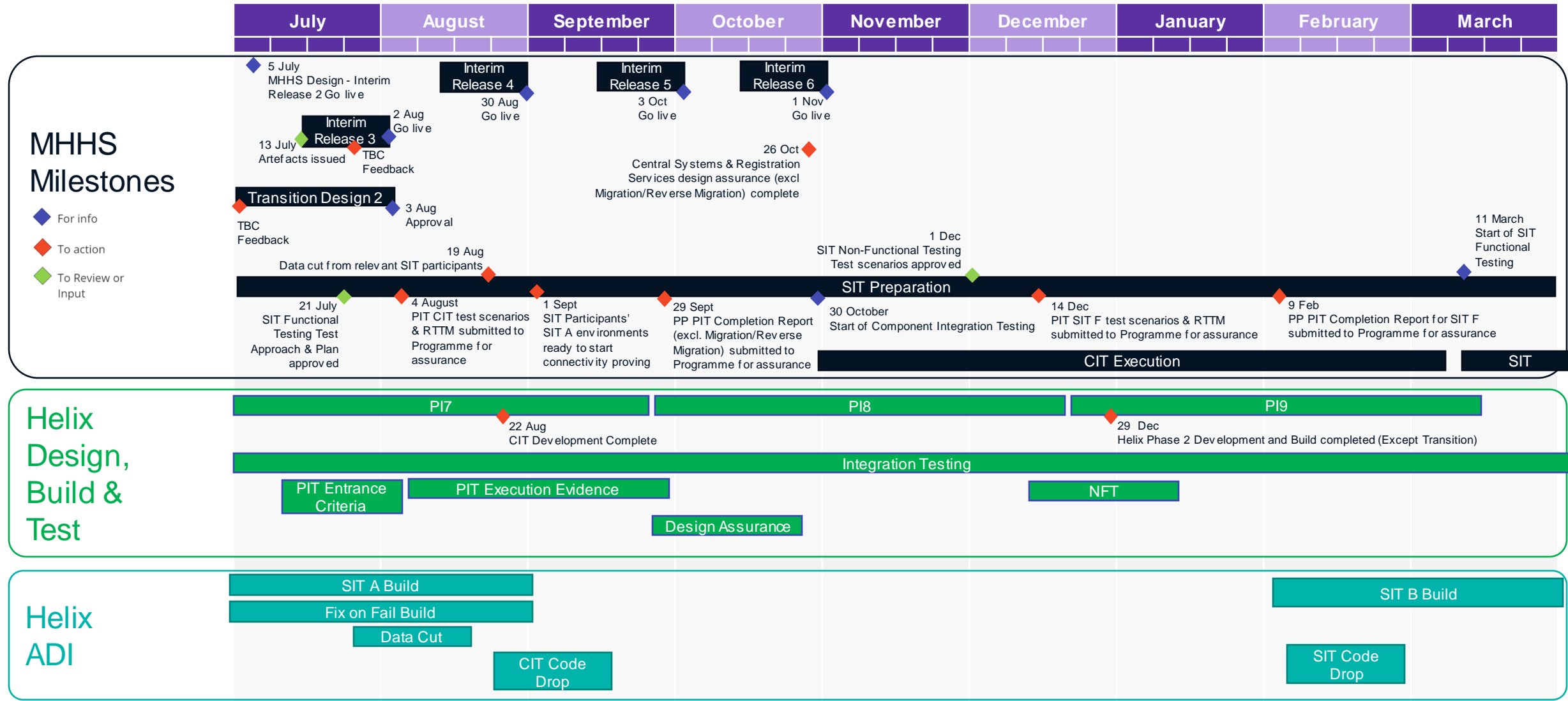
Status & Outlook	Progress last month:	Progress expected in the coming month:	Party Milestones & Deliverables	R3 Target Date	Forecast date & RAG																											
	<ul style="list-style-type: none"> Completed sprint 3 & 4 of the development Integration testing continues Finalised requirements for CIT Produced PIT test approach and plan Feedback provided on the placing reliance policy Reviewed placing reliance submissions and provided feedback. Supplier charging model first version complete with variables now being added. Continued discussions regarding 1MB limit and the pattern that will govern outgoing messaging – the current assumption is 1MB, and pattern A. Commenced review of additional CIT scenarios 	<ul style="list-style-type: none"> Commence sprint 5 & 6 of development, final sprints before CIT drop. Continue the review of additional CIT scenarios Continue with integration testing Continue preparation for CIT. Release of code for CIT testing <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. For CIT to move to green, the CIT scope changes will need to be understood along with Dip simulator test requirements.</p>	<table border="1"> <tr><td>Delivery phase start</td><td>20/04/22</td><td>Complete</td></tr> <tr><td>Test Approach & Plan submitted</td><td>13/07/23</td><td>Complete</td></tr> <tr><td>Test scenarios submitted</td><td>4/08/23</td><td>In Progress</td></tr> <tr><td>CIT development complete</td><td>22/08/22</td><td>In Progress</td></tr> <tr><td>SIT A Environments ready for connectivity testing</td><td>1/09/23</td><td>In Progress</td></tr> <tr><td>Delivery phase ends (DBT End)</td><td>29/09/23</td><td>In Progress</td></tr> <tr><td>Industry phase starts (CI Starts)</td><td>30/10/23</td><td>Not started</td></tr> <tr><td>Target second code release for SIT</td><td>30/01/24</td><td>Not started</td></tr> <tr><td>Industry phase ends (SIT End)</td><td>07/02/25</td><td>Not started</td></tr> </table>	Delivery phase start	20/04/22	Complete	Test Approach & Plan submitted	13/07/23	Complete	Test scenarios submitted	4/08/23	In Progress	CIT development complete	22/08/22	In Progress	SIT A Environments ready for connectivity testing	1/09/23	In Progress	Delivery phase ends (DBT End)	29/09/23	In Progress	Industry phase starts (CI Starts)	30/10/23	Not started	Target second code release for SIT	30/01/24	Not started	Industry phase ends (SIT End)	07/02/25	Not started		
	Delivery phase start	20/04/22	Complete																													
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	Target second code release for SIT	30/01/24	Not started																													
Industry phase ends (SIT End)	07/02/25	Not started																														

Decisions required	From whom?	By when?

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
If the further changes impact on the scope of Helix they may impact ability of the Helix programme to deliver to plan.	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 dependant on the extent of the change	It is assumed these interface changes will be minimal only impact the SIT testing and not be retrospectively applied to CIT	30/09/23	
As Helix have yet to test against the DIP there is a possibility that changes need to occur to either the DIP or Helix to resolve defects that may arise during this testing.	Helix have tested against our own test harness and will implement a connectivity\security test and a send & receive test to the dip simulator however this does not fully mitigate this risk.	30/08/23	
If Helix are required to be involved in the on-boarding process of the participants this is likely to create additional work which is currently not within our plan as it is not currently with our scope.	This has been realised but it is Helix's understanding this is not required for until operational testing. The impact of this is still being assessed however this is currently planned from April 2024.	28/06/23	
If the support arrangements and testing schedule for industry testing are not available soon we may not be able to set these up in time for SIT	This is developing and the risk has reduced.	31/07/23	
CIT Scope changes	There have been a number of changes to the CIT scenarios which are currently being assessed		

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
CIT build design base.	CIT will be based on Interim Release 2, with the exception of the three items are either removed or resolved with IR 3		
Message sizing	Incoming message size to the DAH to be agreed at 1MB Confirmation if Pattern A will cover all the outgoing messaging		
Transition design.	With the late delivery of the transition design Helix are re-planning it's delivery. It is assumed this does not need to be delivered until Mid 2025, we		

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
There is a requirement for mTLS functionality to be provided for security of inbound and outbound communication from the DIP this needs in place by end of July including the provision of certificates to enable Helix to deliver a functioning system for CIT	The connectivity testing will commence with the release of DIP simulator 31 July 2023	31/07/2023	



Overarching Costs for MHHS Central Parties FY 23/24

Financial Measure	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	
MHHS Budget	£1.39	£1.60	£1.61	£1.70	£1.52	£1.57	£1.56	£1.48	£1.47	£1.56	£1.40	£3.00	19.85
MHHS Act/Forecast	£1.68	31.88	£1.94	£1.89	£1.65	£1.40	£1.91	£1.42	£1.07	£1.55	£1.56	£1.89	19.85
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	£2.40	£2.40	£2.40	£2.40	£2.40	£2.40	£2.40	£0.48	£0.48	£0.48	£0.48	£0.48	£19.20
RECCo Budget	£0.24	£0.15	£0.17	£0.15	£0.18	£0.17	£0.47	£0.22	£0.24	£0.38	£0.24	£0.26	£2.85
RECCo Act/Forecast	£0.12	£0.03	£0.05										£0.20
Total Budget	£4.81	£6.64	£4.95	£5.04	£5.81	£4.92	£5.20	£3.60	£2.99	£3.23	£3.46	£4.89	£55.54
Total Act/Forecast													

Please note:

- MHHS: * = includes contingency.
- RECCo: include only 3rd party costs (do not include internal resources)
- DCC: financials being finalised alongside Service Providers

- *Note from DCC: DCC will share budget vs actual on a quarterly basis as the process of estimating does not yet allow a more granular level with it's Service Providers. Actuals will be shared when contractual milestones are met with DCC Service Providers and invoices paid, which align to DCC plan milestones, e.g. Completion of PIT/SIT.
- *Note: For reporting the total budget has been calculated with DCC's budget split monthly.



Status Summary

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



August Deliverables

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



Risks

#	Risk or Issue	Mitigation Plan	RAG
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	1) Design process (DIN Process) set up to resolve Design queries 2) Amend Code Drafting Plan to accommodate outstanding Design areas 3) Monitor volume of DIN items	Medium Risk
R425	There is a risk that the Performance Assurance Regime for the TOM will not be delivered in line with Programme Plan timescales	1) Delay Performance Assurance consultation to post September. 2) Performance Assurance code text raised through BSC Mod process - descope approach.	Medium Risk
R355	There is a risk that Programme testing (CIT/SIT) may identify changes to baselined code and require code updates and further code releases after initial code changes have been approved	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	Medium Risk
R402	Ofgem designate code changes using their SCR powers rather than Smart Meter act powers, adds risk and dependencies on external party delivery	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 MHSP/Ofgem SCR plan	Medium Risk

Drafting Milestones	Target date	Forecast date	Status
Data Services approved at CCAG	24/05/23	24/05/23	Complete
Metering Services approved at CCAG	24/05/23	24/5/23	Complete
Registration approved at CCAG	23/08/23	23/08/23	Green
BSC Central Services approved at CCAG	27/09/23	27/09/23	Green
Governance and Qualification approved at CCAG	22/11/23	22/11/23	Green
Transition Text and Interfaces approved at CCAG	24/01/24	24/01/24	Green
Topic Area Mop Up approved at CCAG	13/05/24	13/05/24	Green
Consequential Change approved at CCAG	13/05/24	13/05/24	Green
Finalise and consistency check approved at CCAG	23/08/24	23/08/24	Green
Code changes baselined (M6)	23/08/24	23/08/24	Green
Smart Meters Act powers enabled (M7)	06/12/24	06/12/24	Green
Code changes delivered (M8)	07/03/25	07/03/25	Green

SI Workstream – Progress Update

SI Progress
Updated to 26/07/23

Workstream	Progress	Next steps		
		What	Owner	By When
Design	Design queries <ul style="list-style-type: none"> Low volume outstanding (Approx 70) Average response time in July for closed tickets is 5 days 508 items on the DIN log with 92 open entries The new fast-track design update process is working well with continuous improvements being made e.g. redlining of the DIN log as requested by industry 	Continue to answer queries and monitor levels Where possible, address queries in bulk (e.g. ESG)	MHHS	Ongoing
		Interim Release 2 successfully deployed, Interim Release 3 on target for release 2 Aug	MHHS	2-Aug-23
Design	Design Assurance <ul style="list-style-type: none"> Cohort 1 – Initial meetings with core participant has completed, further sessions are being planned Cohort 2 – the team has commenced the deep dive sessions with a target to complete by end of August 	Deep dive design session	CPPs	31-Aug-23
		Deep dive design session	SIT volunteers	31-Aug-23
Testing	SIT volunteers – 19 Placing Reliance Proposals reviewed by Programme and Code Bodies. All review comments issued back to participants. Awaiting responses	Review participant responses and conclude activity	SIT volunteers	31-Aug-23
Testing	Testing documentation in progress/published in last month: <ul style="list-style-type: none"> Overarching Test Data Approach & Plan – Approved 19-Jul TMAG Component Integration Test Approach & Plan + associated Data Approach & Plan – Approved 19-Jul TMAG SIT - Functional Testing Data Approach & Plan + associated Data Approach & Plan – completed Industry Consultation on time CIT Test Scenarios – uplift to VF Catalogue v5.2.1 complete, issued for 5-day Assurance Review on time. 19-July TMAG Approved the revised delivery timeframes (August TMAG Approval now scheduled) SIT Functional Test Scenarios – Uplift to Interim Release 2 Design underway PIT Guidance v20 Published on time 07-Jul 	Assurance review TMAG Approval	PPs MHHS	28-Jul-23 16-Aug-23
		TMAG Approval Assurance review TMAG Approval	MHHS PPs MHHS	16-Aug-23 21-Aug-23 20-Sep-23
Testing	Test Data <ul style="list-style-type: none"> DPIA and Data Sharing Agreements issued by Elexon for FTIG review Guidance issued for Test Data back up on the 19-Aug-23 Guidance issued for Test Data CIT load and file formats on the 26-Jul-23 	Data Sharing Agreements in place	PPs	25-Aug-2023
		SIT Functional Test Data Load and File Formats issued	PPs	30-Sep-2023
Sims & Ems	DIP Simulator: mTLS released successfully on 30-Jun-23. Work progressing well on the uplift to IR1&2 and on track for full release of the DIP Simulator and the Data Generators on 11-Aug; interim release 28-Jul-23 including message signing.	Further development on IR1&2 uplifts	MHHS	11-Aug-23
Migration & Transition	Data Cleanse Plan approved by July TMAG	Data Cleanse Sub Working Group to be set up.	MHHS	Sep-23
Migration & Transition	Migration volumes and planning NFRs reviewed in July MWG.	Further NFRs to be reviewed at August MWG, consultation to follow, prior to TMAG approval at September TMAG	MHHS	16-Aug-23

FTIG meetings

- Open forum
- Continued strong, positive & constructive engagement from attendees and positive feedback
- Will be using to make recommendation to TMAG and PSG on T3 milestones
- Recent key topics:
 - Design Interim Release and DIP Simulator Release
 - Release Management for Test Phases
 - “All things” associated with test data – cut, augmentation, transfer, DPIA, DSA
 - Helix ISD files
- Future meetings – may increase frequency; next f2f session planning for 6-Sept

SIT Outlook:

- SIT MVC in place with Placing Reliance Policy – 29 PPs
- Design, delivery and test assurance in progress
- Continued engagement with PPs on test data cuts, augmentation, transfer, DPIA, DSA
- Test deliverables on track except for a delay in CIT test scenarios & test cases to address feedback comments and uplift to align to Interim Release 2, and a knock on delay on SIT Func test scenarios & test cases - new dates agreed with TMAG.
- DIP simulators being used by SIT parties – following up on where parties are not using it
- Pragmatism being applied to a few of the T3 milestones to achieve CIT readiness

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

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

Design Advisory Group (DAG)

Updates from DAG 12 July 2023

1. **DIP Design Document:** The Interface Code of Connections, the DIP PKI Certificate Profiles, and DIP PKI Policy were approved and will now become subject to Programme change control. The baselined documents are available [here](#).
2. **DES-196 D-Flow and Interface Mapping :** This Design Supporting Document, which provides information on how data flows will be impacted by MHHS, was approved and will now become subject to change control. The baselined document is available [here](#).
3. **CR017 & CR018 Decision:** The DAG Chair approved CR018, and rejected CR017. Updates will now be made to the MHHS Operational Choreography artefact, with a redlined version due to be circulated in due course prior to release.
4. **CR024, CR025, CR027:** Amendments to CR024 to descope certain elements were agreed and the change issued for a further five working day Impact Assessment (IA), closing 17:00 20 July 2023. CR025 was approved CR027 was approved for IA, with responses required by 17:00 27 July 2023

DAG papers available [here](#)

Cross-Code Advisory Group (CCAG)

Update from CCAG 26 July 2023

1. **Horizon Scanning Log:** For the DCUSA, DCP416, DCP328 were discussed. The Programme clarified that DCP416 had been raised as a change and DCP328 had been rejected. For REC, R0117, R0132, R0133, R0043, R0062 were discussed. The REC also gave an update to the existing Code Body changes.
2. **CCAG Reporting:** The Programme provided updates on code drafting activities against approved code drafting plan, including updates on Registration and BSC Central Services consultation responses. There was further updates on Interfaces, Qualification, Migration, Code Drafting POAP and the plan for an additional Mop-up consultation in December.
3. **CR018 Code Drafting Approach:** The Programme provided an overview of their interpretation of how CR018 design changes are to be translated into code.
4. **CDWG Update:** The Programme provided an update from the Code Drafting Working Group (CDWG).

CCAG papers available [here](#)

Testing and Migration Advisory Group (TMAG)

Update from TMAG 19 July 2023

1. **Data Cleanse Plan:** The TMAG approved version 0.3 of the Data Cleanse Plan and the setting up of a new Data Cleanse Working Group.
2. **Milestone changes for approval:** The TMAG approved milestone changes to the Environment Approach and Plan (with the caveat of further iteration on the two latter dates), CIT Scenarios and SIT Functional Test Scenarios
3. **Overarching Test Data Approach and Plan:** The TMAG approved version 0.8 of the Overarching Test Data Approach and Plan.
4. **CIT Test and Test Data Approaches & Plans:** The TMAG approved version 0.4 of the CIT Test Approach and Plan & version 0.5 of the CIT Test Data Approach and Plan.
5. **Working Group Progress Updates:** The Programme provided an update on the Qualification and E2E Sandbox Working Group.
6. **IPA Test Assurance Update:** The IPA provided an update on the outcome of the P1 Test Assurance report and timelines for P2.

TMAG papers available [here](#)

Testing



- The PPC team are continuing to closely align with Testing as they produce a number of key deliverables over the coming months.
- Participants have seen an uptick in the number of documents for which they are asked to provide input on. The consultations dashboard has been received well by participants who are using it for short-term planning.
- PPC are running a dedicated campaign in the run up to the Data Cut to ensure participants are aware of the ask and what they need to deliver.
- Qualification route participants have raised issues around a large number of unknowns around Qualification still exist, mainly due to the final iteration of the QA&P not being scheduled until EOY.
- **Next Steps:** Continue to embed within Testing and ensure clear lines of communication to the Code Bodies.

Targeted and tailored communications



- The PPC team are coordinating across the Programme workstreams to better understand key participant challenges and developing communications and engagement to address them.
- In the run up to SIT, PPC have leveraged SME support from the Testing and Design teams to enhance bilaterals with PPs – understanding where more support is needed and ramping up engagement as required.
- This month the Programme had 48 sessions of engagement with participants.

Participant Readiness

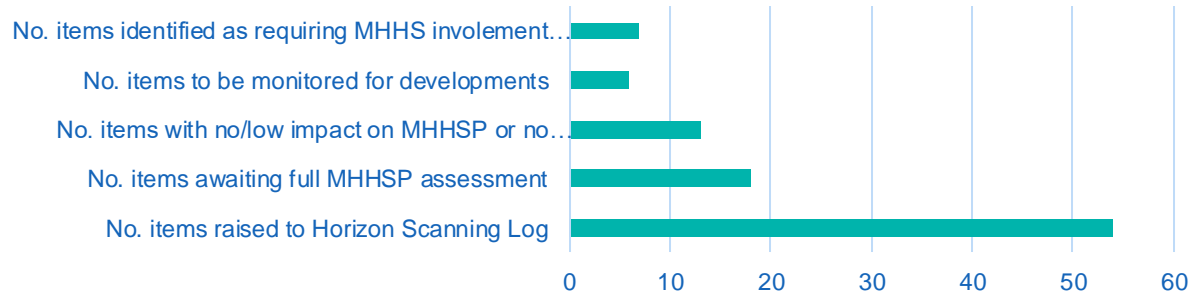


- The PPC team are supporting Design and Delivery assurance activities to ensure participants are engaged and well informed of the ask and how the Programme can help navigate their challenges.
- Planning for the September Readiness Assessment is underway.
- **Next steps:** Support the write up of Delivery Assurance Central Party report write up and set up Cohort 2 meetings.

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: 49 – REC: 28, BSC: 8, SEC: 4, DCUSA: 8, CUSC: 1

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

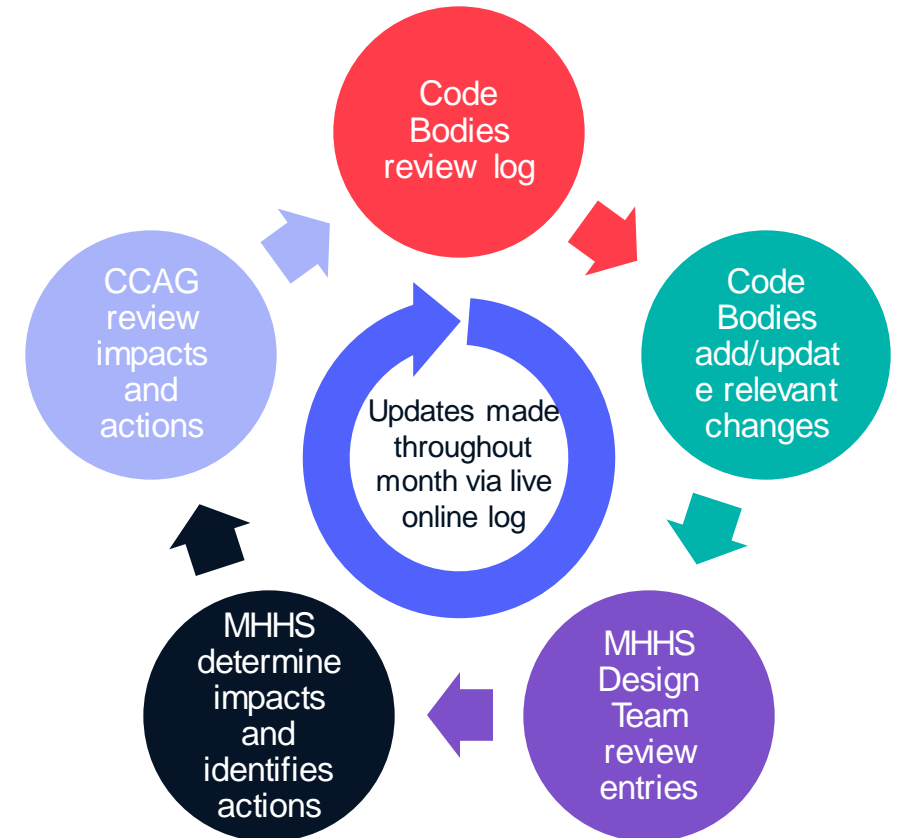
Criticality of horizon scanning items – High: 4, Medium to High: 3, Medium: 3, Low: 13

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 interactions with MHHS to support embedded assurance. **Completed** - Reviewed the initial fast track design change process, providing recommendations to the Programme.
- **Design Documentation (WP4) - In Progress** - Continued monitoring of DIN and design changes. **Completed** - MPRS Report finalised and data cleanse plan reviewed.
- **Conflicts of Interest (WP 5) - In Progress** - Agreed approach for first review with Ofgem. Scope and timing of review to be shared with stakeholders, with reporting due October 2023.

Stage-Based Assurance

- **Test Assurance (WP9, 10, 11) - Completed** - We have completed Test Assurance Period 1, with the report Executive Summary provided to PSG. **In progress:** Currently mobilising Test Assurance Period 2.



Upcoming Assurance Activities

- **Test Assurance Period 2** - Assurance Period 2 in progress, currently in mobilisation and planning phase.
- **Conflicts of Interest** - Mobilisation of assurance activities from mid August



Assurance Action Status

Total agreed actions from IPA reports:

Complete
23

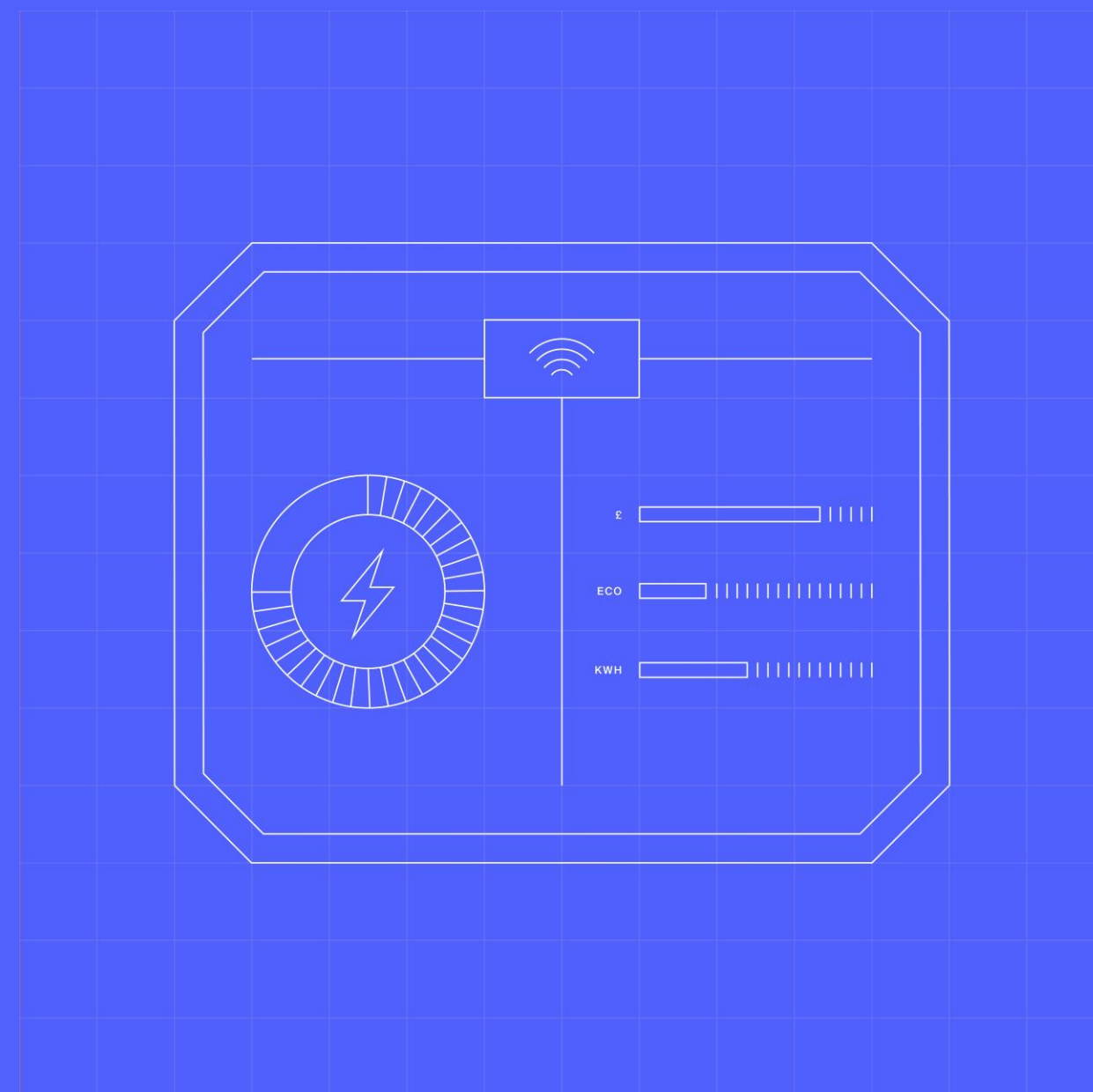
In progress
48

Summary and Next Steps

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

Chair and Secretariat

5 mins



1. Confirm actions and decisions from meeting
2. Next PSG meeting: **06 September 2023 10:00 – 12:00 (Face-to-Face)**

06 September 2023 agenda items

- M9 Progress / FTIG Update
- Assurance Updates (Delivery, Design, Testing)
- Control Point 2 update

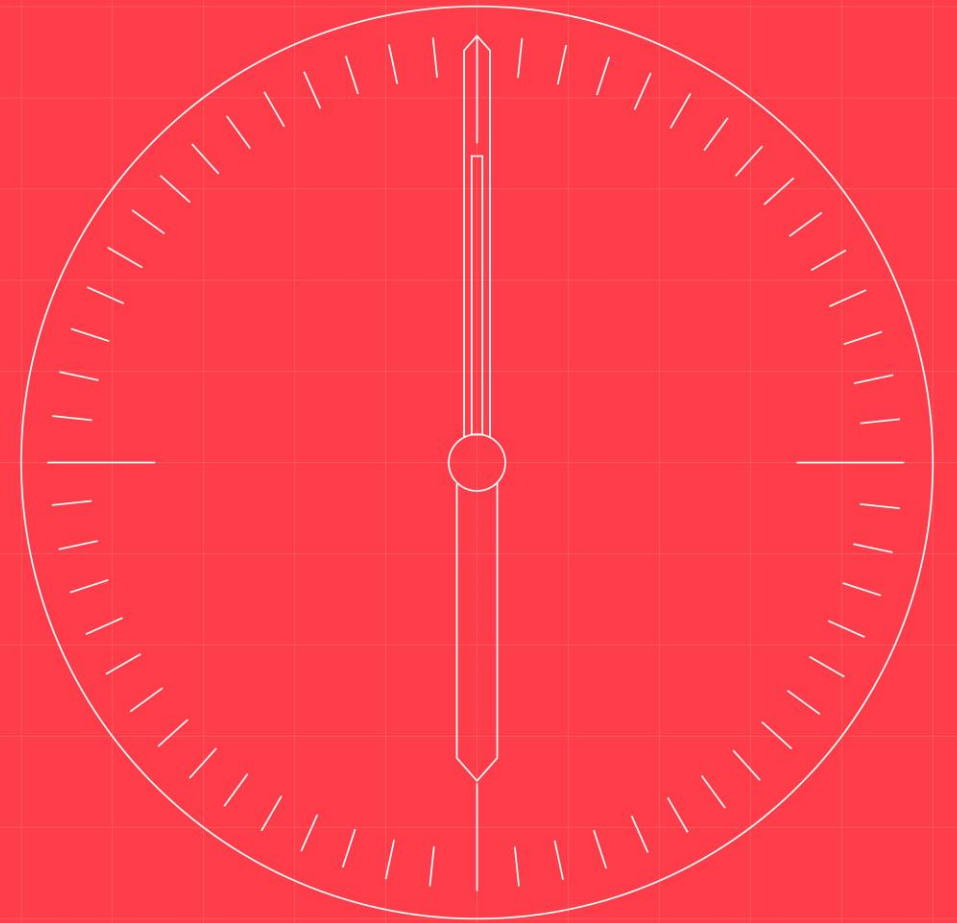
Standing items

- 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

Appendix 1

- Look Ahead – Consultation Dashboard



Look Ahead – Consultations Dashboard

Workstream	Document / Artefacts	Working Group	Approval Forum	Consultation Start Date	Consultation Time	Due Date	Status
Testing	SIT Functional Test Approach & Plan (Assurance)	SITWG	TMAG	28-Jul-23	5 Working Days	04-Aug-23	Upcoming
Testing	SIT Functional Test Data Approach & Plan (Assurance)	SITWG	TMAG	28-Jul-23	5 Working Days	04-Aug-23	Upcoming
Code	Migration (REC & BSC) and Qualification Governance (REC & BSC)	CDWG	CCAG	18-Aug-23	15 Working Days	08-Sep-23	Upcoming
Design	Interim Release 3 Release	n/a	n/a	n/a	n/a	02-Aug-23	Upcoming
Design	Interim Release 4 Objection Cut-off	n/a	n/a	n/a	n/a	16-Aug-23	Upcoming
Design	Interim Release 4 Release	n/a	n/a	n/a	n/a	30-Aug-23	Upcoming
Design	Interim Release 5 Objection Cut-off	n/a	n/a	n/a	n/a	20-Sep-23	Upcoming
Design	Interim Release 5 Release	n/a	n/a	n/a	n/a	04-Oct-23	Upcoming
Design	Interim Release 6 Objection Cut-off	n/a	n/a	n/a	n/a	18-Oct-23	Upcoming
Design	Interim Release 6 Release	n/a	n/a	n/a	n/a	01-Nov-23	Upcoming
Code	Topic Area Mop-up (All Codes)	CDWG	CCAG	Q1 2024	15 Working Days	08-Mar-24	Upcoming
Code	Finalise and consistency (All Codes)	CDWG	CCAG	Q2 2024	15 Working Days	04-Jul-24	Upcoming
Code	Transition Text (REC & BSC)	CDWG	CCAG	Q4 2023	15 Working Days	03-Nov-23	Upcoming
Testing	SIT Component Integration Testing (CIT) Test Scenarios (Assurance)	n/a	n/a	21-Jul-23	5 Working Days	28-Jul-23	Live
Governance - Change Request	CRO27: DUoS E-Billing DIP message for MHHS issued for Impact Assessment	n/a	DAG	13-Jul-23	n/a	27-Jul-23	Live
Governance - Change Request	CRO23: Standardisation of Interfaces within the Smart and Advanced Data Services Roles issued for Impact Assessment	n/a	DAG	06-Jul-23	n/a	21-Jul-23	Closed
Testing	SIT Functional Test Approach & Plan	SITWG	TMAG	07-Jul-23	10 Working Days	21-Jul-23	Closed
Testing	SIT Functional Test Data Approach & Plan	SITWG	TMAG	07-Jul-23	10 Working Days	21-Jul-23	Closed
Governance - Change Request	CRO24: Data Item Names and Descriptions - Re-Issued for IA	n/a	DAG	13-Jul-23	n/a	20-Jul-23	Closed
Design	Migration Design	MTDSG	DAG	14-Feb-23	10 Working Days	24-Feb-23	Closed
Code	Data Services (BSC) and Metering Services (REC)	CDWG	CCAG	14-Feb-23	20 Working Days	13-Mar-23	Closed
Testing	Placing Reliance Policy Part 1	SITWG	TMAG	09-Mar-23	4 Working Days	14-Mar-23	Closed
Testing	Qualification Approach & Plan	QWG	TMAG	28-Mar-23	9 Workings Days	11-Apr-23	Closed
Testing	Placing Reliance Policy Part 2	SITWG	TMAG	31-Mar-23	7 Working Days	11-Apr-23	Closed
Planning	CRO22 Impact Assessment	n/a	Change Board	06-Apr-23	13 Working Days	26-Apr-23	Closed
Design	Transition Design	MTDSG	DAG	14-Apr-23	10 Working Days	28-Apr-23	Closed

Master Consultations Dashboard is available on the [MHHS website](#)

Thank you