
Testing and Migration Advisory Group (TMAG) #26 – 23 October 2023

Agenda (1/2)

#	Item	Objective	Type	Lead	Time	Page
1	Welcome			Chair	14:00-14:05 5 mins	2
2	Minutes and Actions	Approve minutes. Update on open actions, closing where appropriate	Decision	Chair and Secretariat	14:05-14:10 5 mins	4
3	Programme Updates	Provide updates from L2/3 governance groups and wider Programme activity	Information	Programme (PMO)	0 mins	6
4	Working Group Report	Provide updates from discussion at the DWG, MWG, EWG, QWG, SITWG, NFTWG and MDSG	Information	Working group leads	0 mins	8
5	Milestone T2-TE-0250 (SIT CIT Interval 1 Preparation Complete)	Approve milestone T2-TE-0250 (SIT CIT Interval 1 Preparation Complete). Snapshot of report taken from 16 October with further updates to be provided during the meeting (23 October)	Decision	Programme (Dominic Mooney)	14:10-14:25 15 mins	10
6	Overview of M9 Decision Choreography and High-Level Criteria	23/10 – Now combined with agenda item #5	Information	Programme (Adrian Page)	14:25-14:30 5 mins	14
7	SIT Functional Test Scenarios & Test Cases Delivery Plan	Approve revised delivery plan for SIT Functional Test Scenarios & Test Cases	Decision	Programme (Lee Cox)	14:30-14:40 10 mins	16
8	E2E Testing and Integration Strategy	Delivery update on E2E Testing and Integration Strategy document	Information	Programme (Lee Cox)	14:40-14:45 5 mins	19
9	Programme's Planned Major Releases	Update on the Programme's planned major releases	Information	Programme (Lee Cox)	14:45-14:55 10 mins	21
10	Qualification Update	Verbal update following 18 October QWG focused on Non-SIT LDSO testing	Information	Programme / Code Bodies	14:55-15:00 5 mins	28
11	Migration Thresholds and Migration Profile	Provide an update on the Migration Thresholds and Migration Profile document	Information	Programme (John Wiggins)	15:00-15:10 10 mins	30
12	Data Cleanse Working Group Terms of Reference	Approve by exception - Data Cleanse Working Group's (DCWG) Terms of Reference version 1.0	Decision	Programme (John Wiggins)	15:10-15:15 5 mins	32
13	Requirement for a New Working Group	Approve the set-up of a new Transition & Operational Readiness Working Group (TORWG)	Decision	Programme (John Wiggins)	15:15-15:20 5 mins	33

Agenda (2/2)

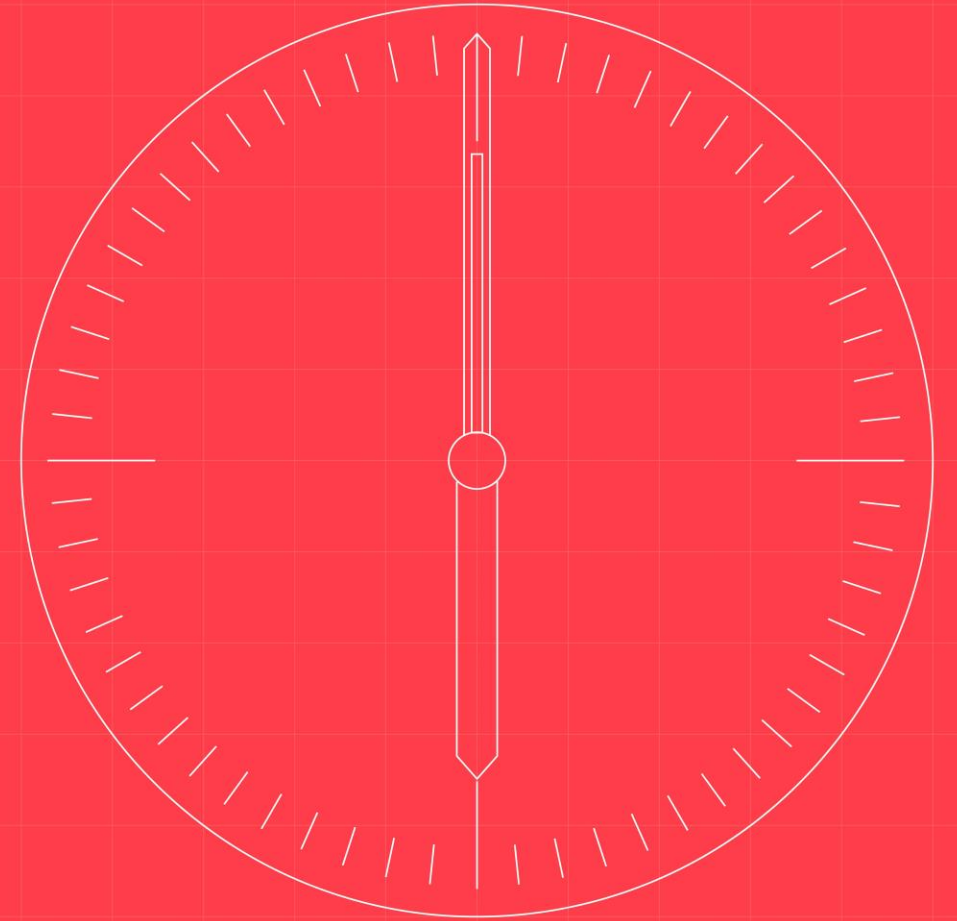
#	Item	Objective	Type	Lead	Time	Page
14	IPA Test Assurance Update	IPA Test Assurance Period 1 & 2 Status Update	Information	IPA	15:20-15:30 <i>10 mins</i>	35
15	3 Month Milestone Look Ahead & Milestone Changes	Update on upcoming Programme milestones related to TMAG and milestone changes coming for approval	Information / Decision	Programme (PMO & Workstream leads)	15:30-15:35 <i>5 mins</i>	37
16	Top Programme Risks related to TMAG	Update on the top Programme risks related to TMAG	Information	Programme (PMO & Workstream Leads)	15:35-15:45 <i>10 mins</i>	49
17	Summary and Next Steps		Information	Chair and Secretariat	15:45-15:50 <i>5 mins</i>	51
18	Appendix	Attachment 1 - MHHS-DEL1588 - Data Cleanse Working Group (DCWG) Terms of Reference (Level 4) v0.1				53

Minutes and Actions

DECISION: Approve minutes. Update on open actions, closing where appropriate

Chair and Secretariat

5 mins



Minutes and Actions review

1. **Approval of Minutes** from 20 September TMAG and 28 September Extraordinary TMAG
2. **Open Actions and Actions from previous TMAG** (actions will be discussed by exception. Please review the action updates ahead of the meeting)

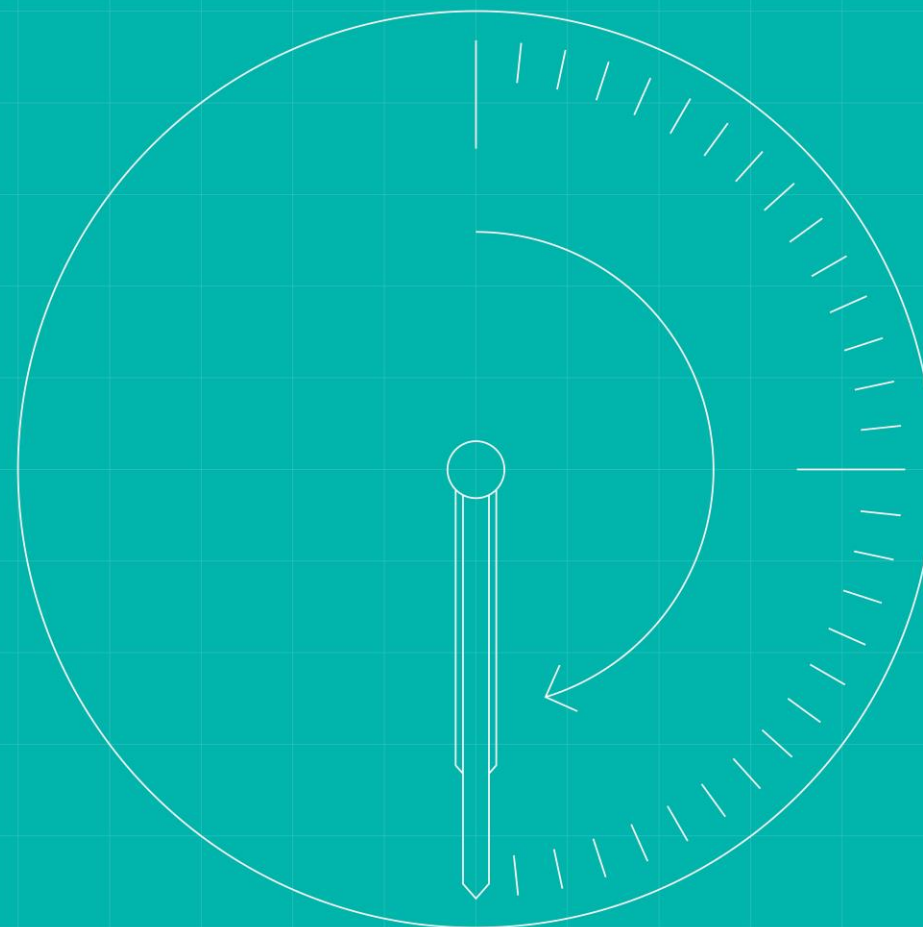
Ref	Date	Action	Owner	Due	Status	Latest Update
TMAG22-01	16/08/23	Programme to update TMAG members on the status around the remove of role seniority criteria in the Code of Connection document.	Programme (Adrian Page)	20/09/23	Open	At DAG, the SRO approved minor updates to the Interface Code of Connections (CoCo) following review by the Security Design Working Group SDWG. The updated CoCo will be published to the MHHS website and Programme Collaboration Base and notice issued in the Programme newsletter, The Clock.
TMAG24-01	20/09/23	To send current Programme risks around Migration Thresholds and Migration Profile to the Large Supplier Representatives.	Programme (John Wiggins)	23/10/23	Recommend Closed	Risks: R332, R353, R525, R659, R677 All Programme risks accessible on the RAID Log here
TMAG24-02	20/09/23	Programme to ensure Code Bodies receive SIT Functional Test Batches as they are released.	Programme (Kevin Davis)	Ongoing	Recommend Closed	Code Bodies are included in the distribution of all activities, including Deep Dives and content distribution.
TMAG24-03	20/09/23	Programme to understand the Change Request criteria from PMO.	Programme (Jason Brogden / Lee Cox)	23/10/23	Recommend Closed	The Programme has confirmed that the E2E Test Strategy is a living document and updates are agreed by TMAG. Therefore there is no need to submit to CR. Please see 3.2 & 3.3 of the Test Strategy for further information. Further, all T3 Milestones are controlled by TMAG, and TMAG, without CRs, can move, change, remove these deliverables.
TMAG24-04	20/09/23	Programme to send out comms to PPs highlighting the SIT CIT readiness tracker is public.	Programme (Dominic Mooney & PPC)	27/09/23	Recommend Closed	The SIT CIT readiness tracker can be found here and is refreshed weekly. An update was provided in The Clock on 20/09/23.
TMAG24-05	20/09/23	Programme to make any updates to R525 discussed at the meeting (incl. mitigation actions and risk description on large suppliers dropping out of SIT).	Programme (Jason Brogden)	23/10/23	Recommend Closed	This has been action. All Programme risks accessible on the RAID Log here

Programme Updates

INFORMATION: Provide updates from L2/3 governance groups and wider Programme activity

PMO

0 mins – taken as read, questions by exception



Governance group updates

Programme Steering Group (PSG)

Updates from PSG 04 October 2023

- Code Drafting Milestones:** The PSG approved changes to convert existing Tier 2 code drafting milestones to Tier 3 milestones to provide the CCAG with more control over milestone date management.
- M9 Dress Rehearsal:** PSG received an overview of the information that will be provided to support a decision on M9 (SIT Start) approval at the extraordinary PSG to be held 30 October 2023.
- Qualification Testing:** In response to participant concerns over the progress of Qualification Testing arrangements, the Programme will now work with Code Bodies and the IPA to define an alternative approach which maintains the delivery date of M10 (Central systems ready for migrating MPANs). Initial plans will be presented to the November 2023 PSG.
- Sponsor Update:** Ofgem feel the Programme is making good progress and is on track to commence SIT. This is unprecedented in Programmes of this scale and complexity. Ofgem see MHHS as crucial to the future of net zero and encourage participants to maintain progress and dialogue with the Programme.
- SASWG Output Report:** The Settlement Analysis Scoping Working Group (SASWG) has concluded. Five hypotheses for future analysis were recommended and actions placed with Elexon Helix to develop a high-level plan to progress.

PSG papers available [here](#).

Testing and Migration Advisory Group (TMAG)

Update from TMAG 20 September 2023

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

TMAG papers available [here](#)

Design Advisory Group (DAG)

Updates from DAG 11 October 2023

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

DAG papers available [here](#)

Cross Code Advisory Group (CCAG)

Update from CCAG 27 September 2023

- Horizon Scanning Log:** For BSC, Issue 109, P432, P455, P458, P459, P460 was discussed. For REC, R0083, R0083A, R0062, R0043, R0117, R0139 were discussed. There were no new changes for DCUSA. The Programme waled through changes that they believed will impact them.
- CDWG Escalations:** CCAG members approved the CDWG recommendation of BSC Central Services Code Artefacts.
- CCAG Reporting, Risks and Milestones:** CCAG members recommended a request to PSG that the code workstream milestones be updated from Tier 2 to Tier 3. The Programme provided a high-level overview of the Mop-up planning activities, including the approach and controls.
- Consequential Code Change Delivery:** Updates from Elexon, DCUSA and NGESO were provided in relation to their delivery status.
- CDWG Update:** The Programme provided an overview from CDWG. CCAG papers available [here](#)

Wider Programme updates

Programme News: DAG and PSG Medium Supplier Representatives: The Programme is calling for nominations to fill the role of Medium Supplier Representative within the Level 2 and 3 Governance Forums: PSG and DAG. We are requesting all nominations to be submitted to PMO@mhhsprogramme.co.uk by COP 18 October 2023 by using the Constituency Representative Nomination form, available [here](#).

Security Design Working Group: Call for Attendees: The Programme seeks to remobilise a regular SDWG to support the ongoing management of Security Design Artefacts. Parties who would like to be included in the distribution list for this meeting to email PMO@mhhsprogramme.co.uk with their name and email address.

Delivery Assurance: Cohorts 1 and 2 for Delivery Assurance closed in July, and the Programme has reviewed responses and followed up with participants through bilateral meetings as required. If you have any questions, please email the PPC team at PPC@mhhsprogramme.co.uk

DIP Simulator: Updated URL: The DIP Simulator has been moved to a new URL: <https://dipsim-prod.mhstools.co.uk/Home>. The reason for this change is that the DIP Simulator now uses the same Transport Layer Security (TLS) certificate for server authentication and client authentication.

Participant Checklist:

Code Tranche 3 Assurance Review: Please share your comments on the Artefacts by emailing the Code team at Code@mhhsprogramme.co.uk by 20 17:00 on October 2023

Code Tranche 4 Consultation: Comments are due by **17:00 on Wednesday 1 November 2023**. Please visit the [Tranche 4 Code Artefacts page of the MHHS website](#) for information on how to submit your feedback on the Artefacts and for accompanying Artefact guidance.

Interim Release 2 and Interim Release 5 Design Artefacts: The Programme are publishing a **new Interim Release 2.1** by close of business today, **Wednesday 11 October**. Interim Release 2.1 constitutes **updated versions of Swagger and the DES138 Interface Catalogue** which have been uplifted to address potential blocking issues for CIT.

DIP Simulator Hotfix: We're implementing a Hotfix to the DIP Simulator to ensure that the changes to Artefacts through the Interim Release 2.1 are incorporated and reflected.

DTN Flows Published: The Programme has published Artefacts and Solution Documents detailing the changes required to DTN flows for MHHS on the [MHHS impacts to Data Transfer Network \(DTN\) Flows page of the MHHS website](#).

Upcoming events:

- Thursday 12 October:** Migration Working Group (MWG)
- Friday 13 October:** Extraordinary Systems Integration Testing Working Group (SITWG)
- Tuesday 17 October:** Non-Functional Testing Working Group (NFTWG)
- Wednesday 18 October:** Qualification and E2E Sandbox Working Group (QWG) for **LDSO participants ONLY**

Guidance Documents:

Azure Dev Ops Training Material: The training material is available on the Test Management ADO Training Materials page on the [Test Management ADO Training Materials page of the MHHS website](#).

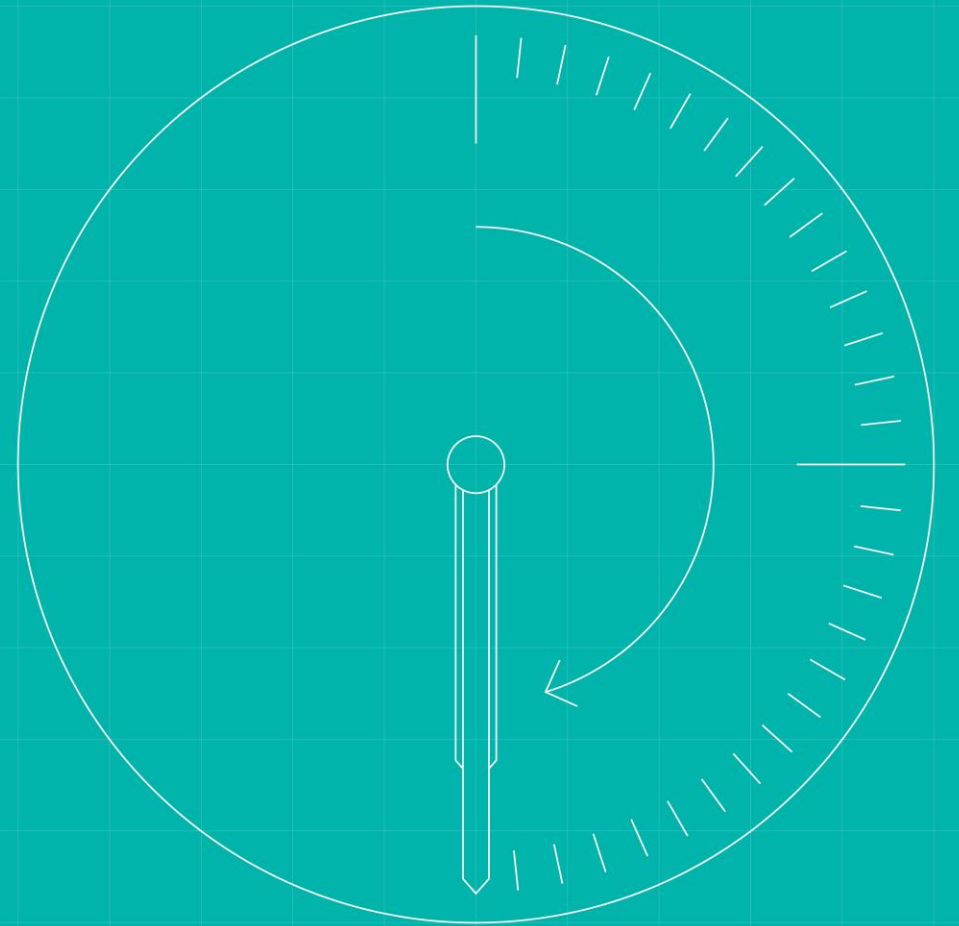
Updated Test Data Secure File Transfer Protocol (SFTP) Guide: we've published an updated version (**v1.1**) of the **Test Data SFTP Guide**. This version is more comprehensive and contains more detailed information on creating public keys and connecting via SFTP. You can view the guide on the [Data page of the MHHS website](#).

Working Group Report

INFORMATION: Provide updates from discussion at the DWG, MWG, EWG, QWG, SITWG, NFTWG and MDSG

Programme (working group leads as required)

0 mins – taken as read, questions by exception



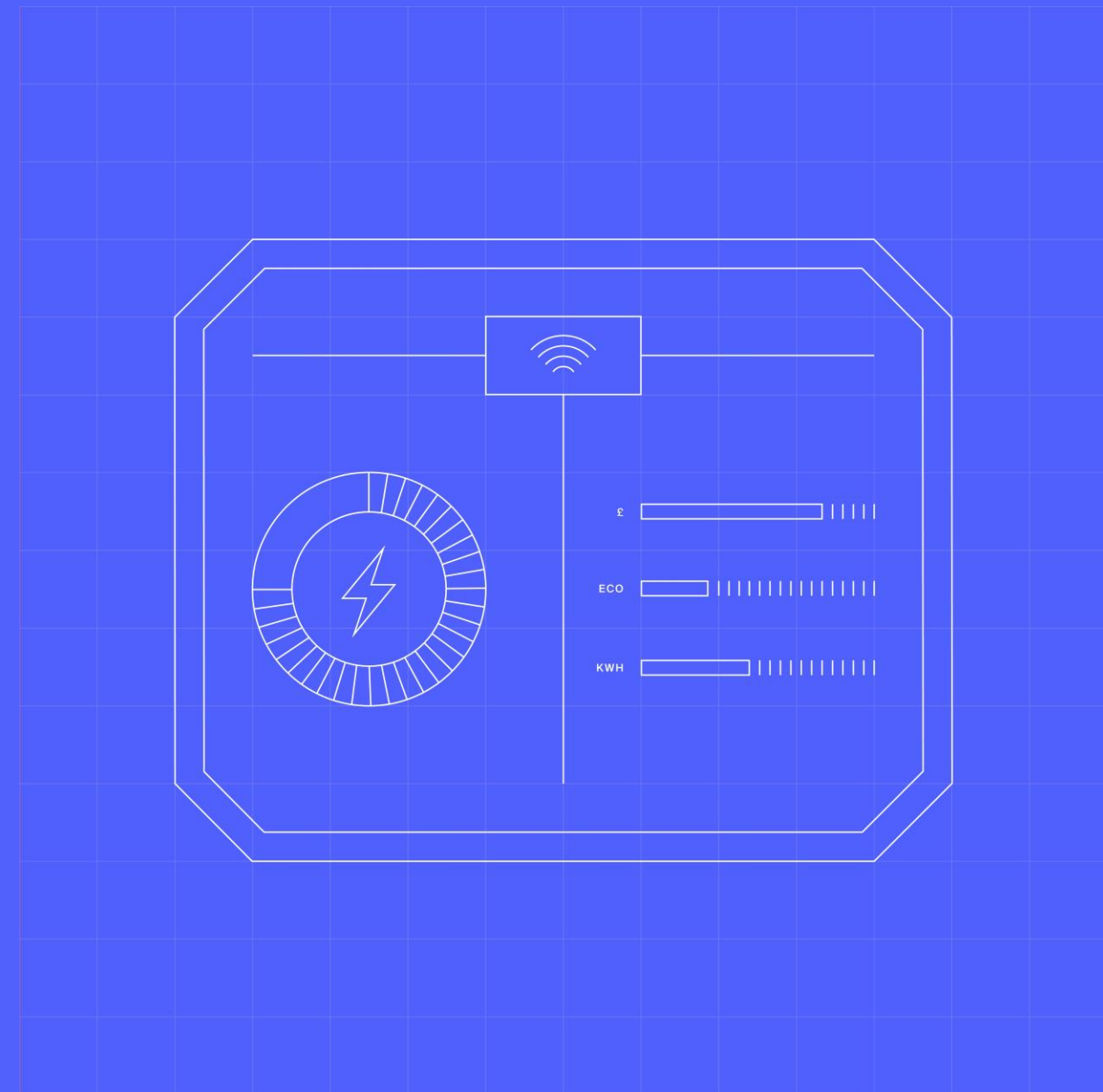
	Data Working Group (DWG)	Migration Working Group (MWG)	Environments and Configuration Management Working Group (EWG)	Qualification and E2E Sandbox Working Group (QWG)	Systems Integration Test Working Group (SITWG)	Non-Functional Testing Working Group (NFTWG)
Upcoming deliverables	<ul style="list-style-type: none"> • 29th September: Test Data Loaded - CIT Interval 1 • 20th October: Test Data Loaded - CIT Interval 2 • 3rd November: Test Data Loaded - CIT Interval 3 	<ul style="list-style-type: none"> • Migration Thresholds and Migration Profile (November TMAG) 	<ul style="list-style-type: none"> • Environments Approach and Plan (SIT Functional and Non-SIT LDSO) (November TMAG) 	<ul style="list-style-type: none"> • SIT-CIT Approach & Plan • SIT-Functional Approach & Plan 	<ul style="list-style-type: none"> • SIT Functional Test Scenarios (October TMAG) • SIT Functional Test Cases (October TMAG) • End-to-end Testing Integration Strategy (November TMAG) 	<ul style="list-style-type: none"> • TBC
Next meeting's agenda items	02 November <ul style="list-style-type: none"> • TBC 	12 October <ul style="list-style-type: none"> • Migration Thresholds and Migration Profile • Migration incentives and export meters 	07 November 2023 <ul style="list-style-type: none"> • TBC 	18 October 2023 <ul style="list-style-type: none"> • LDSO Testing 	02 November 2023 <ul style="list-style-type: none"> • CIT Test Cases • SIT CIT Readiness Tracker 	17 October 2023 <ul style="list-style-type: none"> • Categorisation of NFRs • NFT PIT Guidance • PIT vs. SIT scope • NFT Volumetrics
Agenda items from last meeting	05 October <ul style="list-style-type: none"> • Data Schedule Update • Update on ISD • Update on sFTP Onboarding • Test Data Augmentation • CIT Data Allocation Status • Update on BSC Modification 	14 September 2023 <ul style="list-style-type: none"> • Migration Thresholds and Migration Profile • Migration Incentives & Export Meters • Data Cleanse Plan • Top Programme Risks related to MWG 	03 October 2023 <ul style="list-style-type: none"> • CIT Connectivity Proving • DIP Onboarding Timeline • DCC PKI Process • DTN Flows to Connect Market 	12 September 2023 <ul style="list-style-type: none"> • Sandbox Environment • Placing Reliance • Qualification Exit Timelines • Qualification Assessment Document (QAD) • Queries from Programme Participants 	06 October 2023 <ul style="list-style-type: none"> • CIT Test Cases • Summary of Interval 1 Readiness & SIT CIT Readiness Tracker • SIT Functional Scenarios & Test Cases Delivery Plan • Programme's Planned Major Releases 	19 September 2023 <ul style="list-style-type: none"> • Non-functional requirements • Categorisation of NFRs and Approach • NFT Volumetrics • NFT PIT Guidance • Top Programme Risks related to NFTWG
TMAG escalations	None	None	None	None	None	None

Milestone T2-TE-0250 (SIT CIT Interval 1 Preparation Complete)

DECISION: Approve milestone T2-TE-0250 (SIT CIT Interval 1 Preparation Complete). Snapshot of report taken from 16 October with further updates to be provided during the meeting (23 October)

Programme (Dominic Mooney)

15 mins



Overview of Decision Choreography and High-Level Criteria

23/10 - New slide added in v1.1

Tier 1 Milestones (PSG-governed)



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

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



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

T2-TE-0250
SIT Component
Integration Testing
Interval 1 Preparation
Complete
**Based on FTIG
recommendation**

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



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

T3-TE-0017
Production data cut
GONG decision
**Based on FTIG
recommendation**

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

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

Contingency for
work-off items

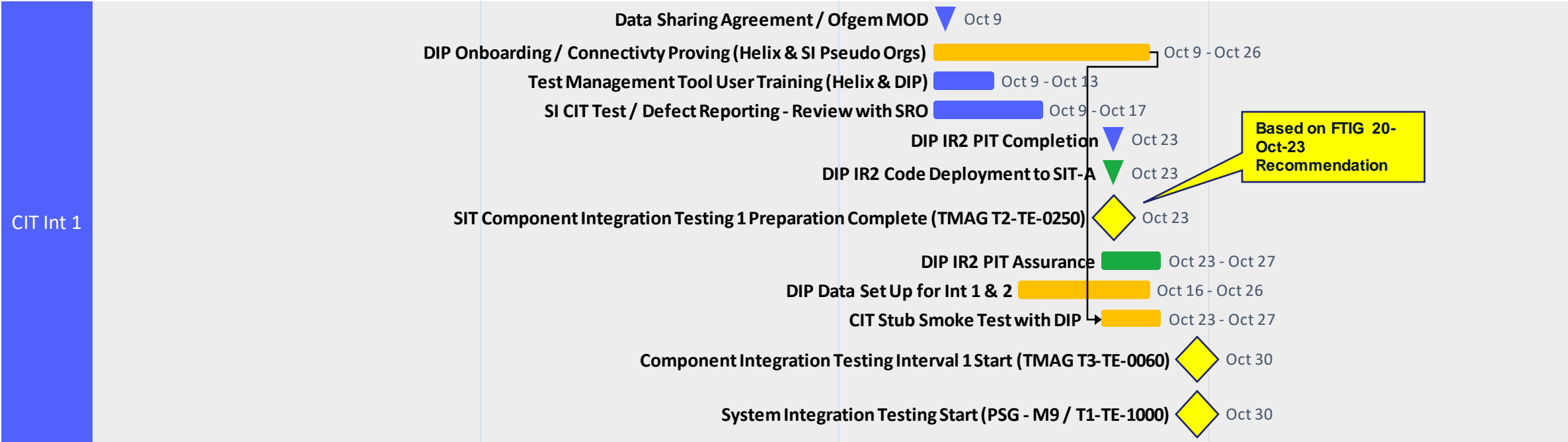
T3-TE-0060
Component
Integration Testing
Interval 1 Start

SIT CIT
Intervals 2 - 6

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	

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	

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



Completed since 13/10:

1. Test and Defect Reporting
2. DIP IR2 PIT now complete. PIT Assurance underway.

Outlook for Remaining Activities:

1. An issue with GlobalSign has required a DIP change, this is being addressed by a release to the DIP but has delayed the completion of Participant Onboarding & Connectivity Proving.
2. The impact of the delay has compressed the time available to close out DIP Data set up and CIT test stub smoke testing. Residual work-off plan to enable M9 is underway (see next slide).

CIT Interval 1 Readiness – Work-Off Plan

#	Task	Owner	Forecast Date	Dependency	Status	Notes
1	GlobalSign change	Avanade	Fri 20-Oct		Complete	
2	Data Model Change	Avanade	Fri 20-Oct		Complete	
3	DIP Code Deployed to SIT-A	Avanade	Mon 23-Oct (AM)	1 & 2	In Progress	Combined release
4	Create IF-31s for DIP Data Ingestion	SI	Mon 23-Oct (PM)		In Progress	
5	Interval 1 & 2 Participants continue with DIP Onboarding (Helix, MHHS, SSEN, BUUK)	PPs / SI	Mon 23-Oct (PM)	3	Pending	Potential to split into 5a for Int 1 and 5b for Int 2
6	Completion of Onboarding / Registering DIP Roles	PPs / SI	Tue 24-Oct (AM)	5	Pending	
7	Data and Technical Set Up Completion in the DIP	Avanade	Thu 26-Oct (AM)	4	Pending	
8	PP End Point Creation in DIP	PPs / SI	Thu 26-Oct (PM)	6 & 7	Pending	
9	Set up message signing for CIT Stub using DIP Certs	SI	Thu 26-Oct (PM)	3 & 7	Pending	Assumes SIT-A DIP is up and available.
10	Set up callback subscription webhooks for all Int1 MHHS roles (12/16) with DIPID and callback URL	SI	Fri 27-Oct (AM)	8 & 9	Pending	
11	Execute CIT Stub smoke test on DIP by sending IF-31 for each MHHS role	SI	Fri 27-Oct (PM)	10	Pending	
	Contingency	SI / Avanade	Sat 28-Oct		If Required	
	Contingency	SI / Avanade	Sun 29-Oct		If Required	

Programme Recommendation:

- FTIG have recommended for TMAG to approve the SIT Component Integration Testing 1 Preparation Complete milestone (TMAG T2-TE-0250) subject to completion of work off plan.

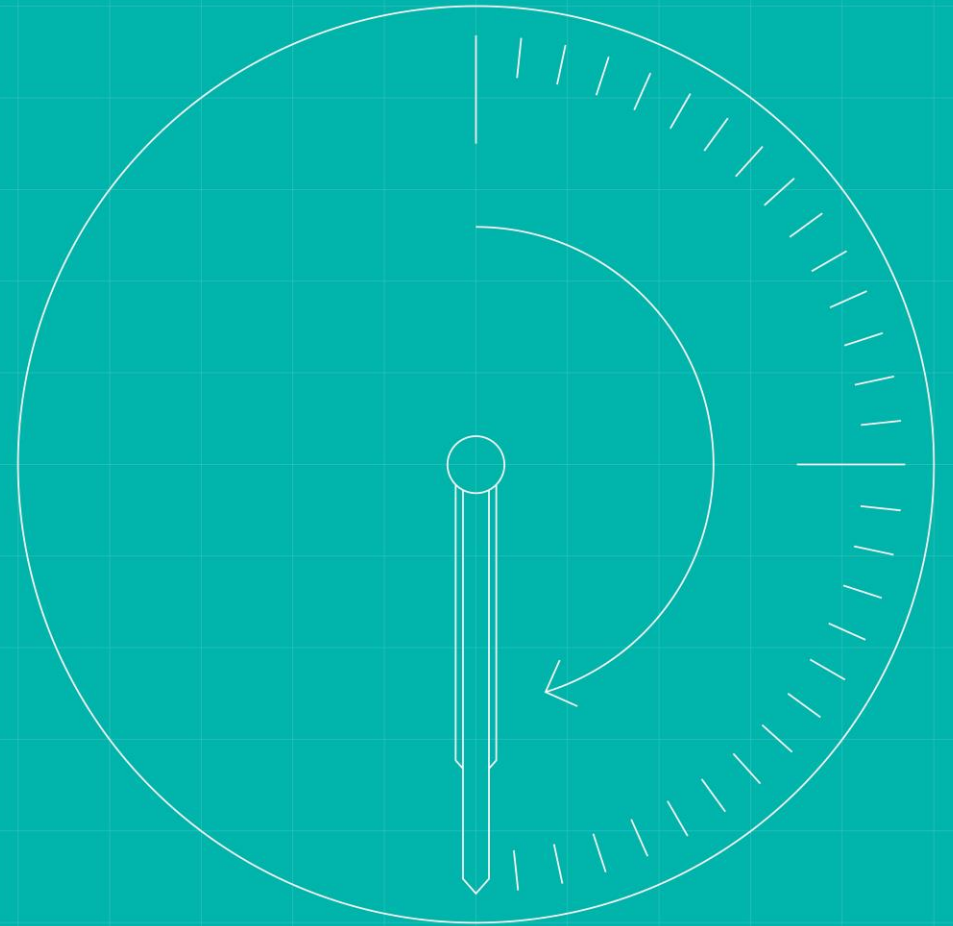
Overview of M9 Decision Choreography and High-Level Criteria

INFORMATION: Overview of decision choreography and high-level criteria ahead of 20 October TMAC to record (Interval 1 start)

23/10 – Now combined with agenda item #5

Programme (Adrian Page)

5 mins



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

23/10

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

23/10 – Now combined with agenda item #5

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
Based on FTIG recommendation

T3-TE-0019

SIT Participants' SIT A environments ready to start connectivity proving (CIT Interval 1)

01/9

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

30/10

T3-TE-0060
Component Integration Testing Interval 1 Start

SIT CIT Intervals 2 - 6

Contingency for work-off items

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

To approve T2-TE-0250

SI	PPs
Designs assured	Environments in place
Delivery plans assured	Test data in place
IT assured (IR2)	PKI certificates in place
Tools in place / primed	Defect management understood
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	

To approve T3-TE-0060

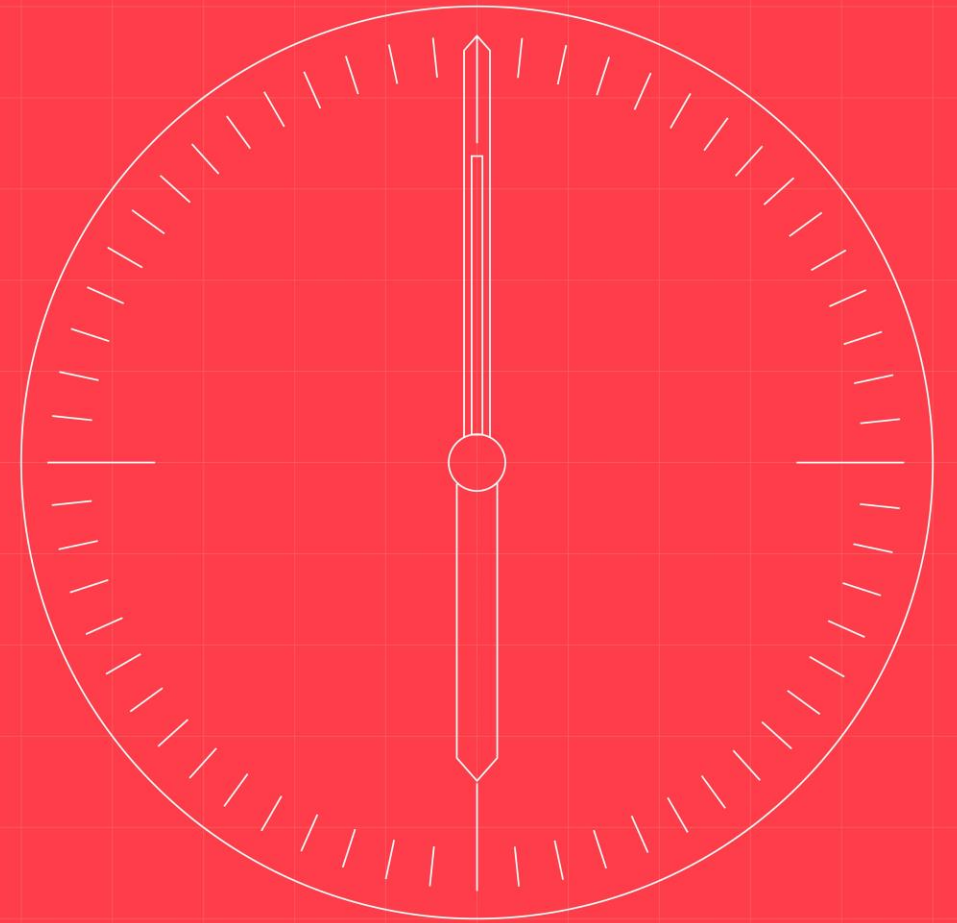
- T2-TE-0250 approved by TMAG (fully or conditional on work-offs before T3-TE-0060)
- Any work-off items from T2-TE-0250 complete and T3-TE-0060 fully approved or T3-TE-0060 approved based on agreed work-off plan
- Decision to start CIT Interval 1 is contingent on PSG M9 approval

SIT Functional Test Scenarios & Test Cases Delivery Plan

DECISION: Approve revised delivery plan for SIT
Functional Test Scenarios & Test Cases

Programme (Lee Cox)

10 mins



- SIT Functional Test Scenario and Test Case Delivery has been amended
- Review sessions have started and will continue to be conducted through October and November with the involved Industry SIT Participants, focussing on specific review themes
 - 5 Review windows will cover 9 themes
- Review sessions will be SI Test lead
- All Test Scenarios will commence formal Governance (eSITWG and eTMAG) from 23-Nov

SIT Functional Test Scenarios & Test Cases Delivery Plans

2023

2024

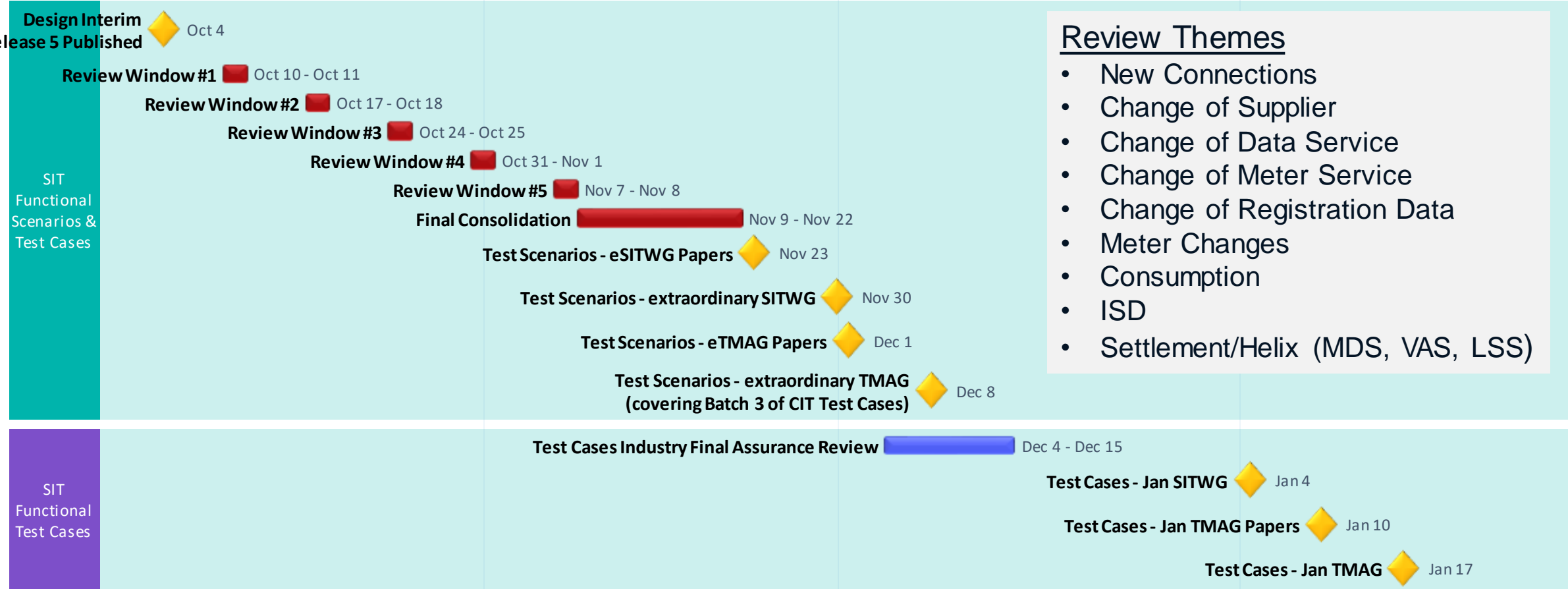
Oct

Nov

Dec

Jan

2024



SIT Functional Scenarios & Test Cases

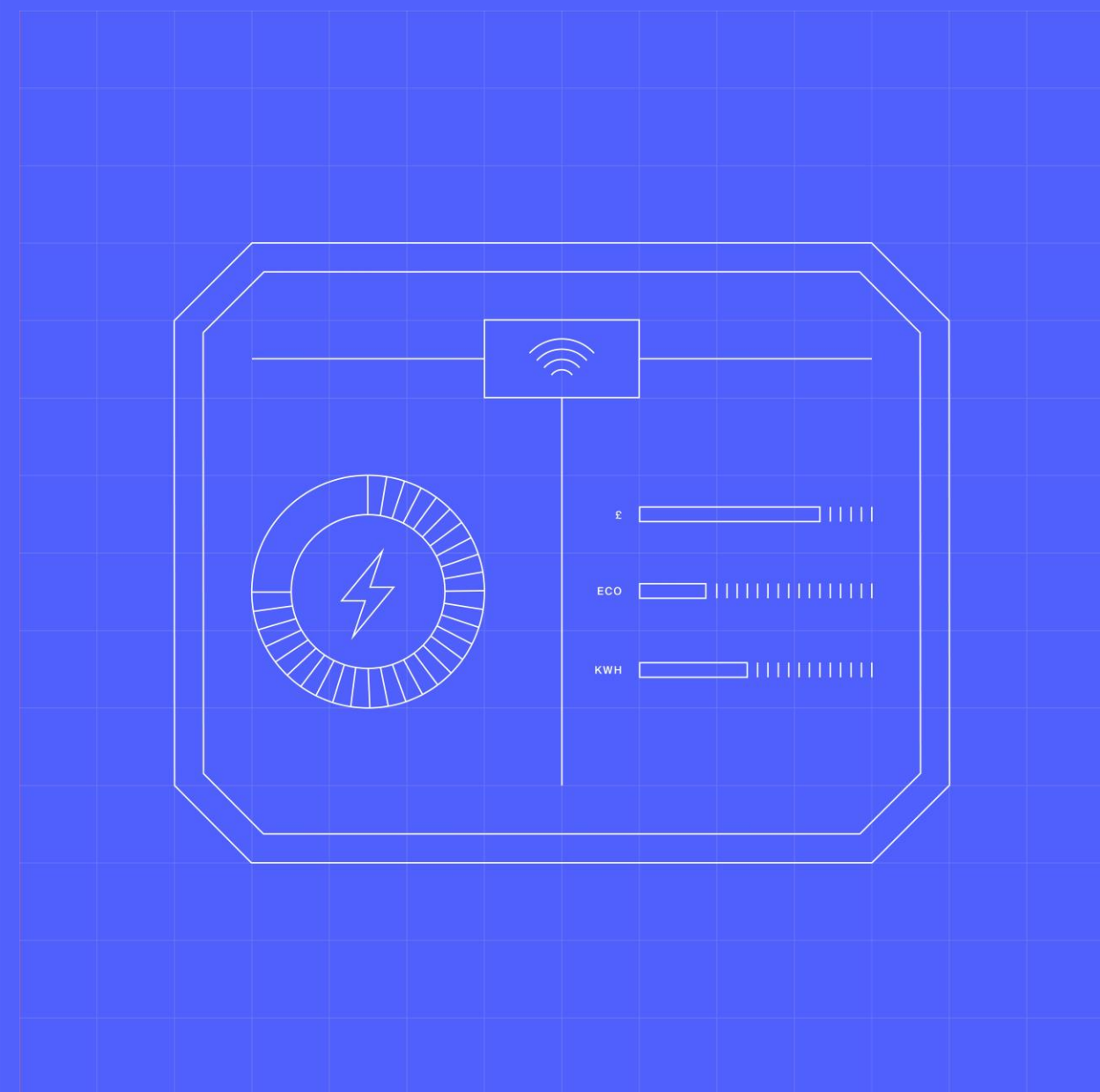
SIT Functional Test Cases

E2E Testing and Integration Strategy

INFORMATION: Delivery update on E2E Testing and Integration Strategy document

Programme (Lee Cox)

5 mins



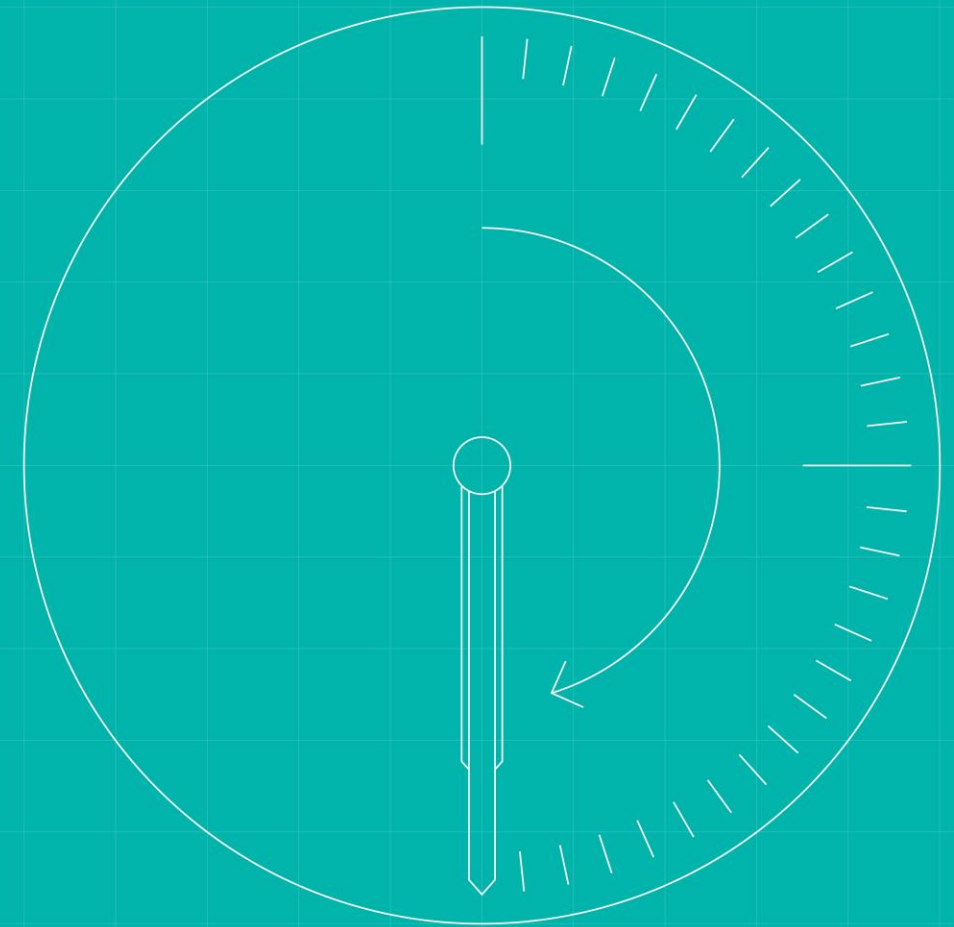
- The refreshed E2E Testing and Integration Strategy was forecast for Approval at the October TMAG
- Programme has been reporting on progress through August and September, indicating challenges to achieve these targets. Refreshed content is dependent on two key factors:
 - Clarification on the Programme’s provision of the Sandbox Service – Industry have answered questions issued by the Programme regarding intended use of this facility.
 - Programme review of responses are still under review
 - Clarification on the Non-SIT LDSO Qualification Testing – Presented at October PSG.
- As such, the E2E Testing and Integration Strategy is not being presented today for Approval.
- The revised delivery plan will be communicated as soon as the two dependencies reach sufficient maturity.

Programme's Planned Major Releases

INFORMATION: Update on the Programme's planned major releases

Programme (Lee Cox)

10 mins



Release Strategy

SIT CIT (All Intervals)

- SIT CIT will be conducted against **Design - Interim Release 2** only (including all design updates from IR1)
- PPs are expected to be PIT Complete against **Design - Interim Release 2** prior to entry into their CIT Interval
- PPs are expected to provide:
 - An integrated Test Environment, built to Interim Release 2, to conduct CIT Testing
 - A separate isolated Test Environment, built to Interim Release 2 in support of any CIT Defect Retesting

PPs can choose to continue their development against IR3 and IR4, however this must be in a separate test environment using branched code. In addition, PIT Test Activities in readiness for SIT Functional also need to be in separate Test Environments

- **Interim Release 2 Published 05-Jul-23**
- **Interim Release 2 Compatible DIP Simulator Available 11-Aug-23**

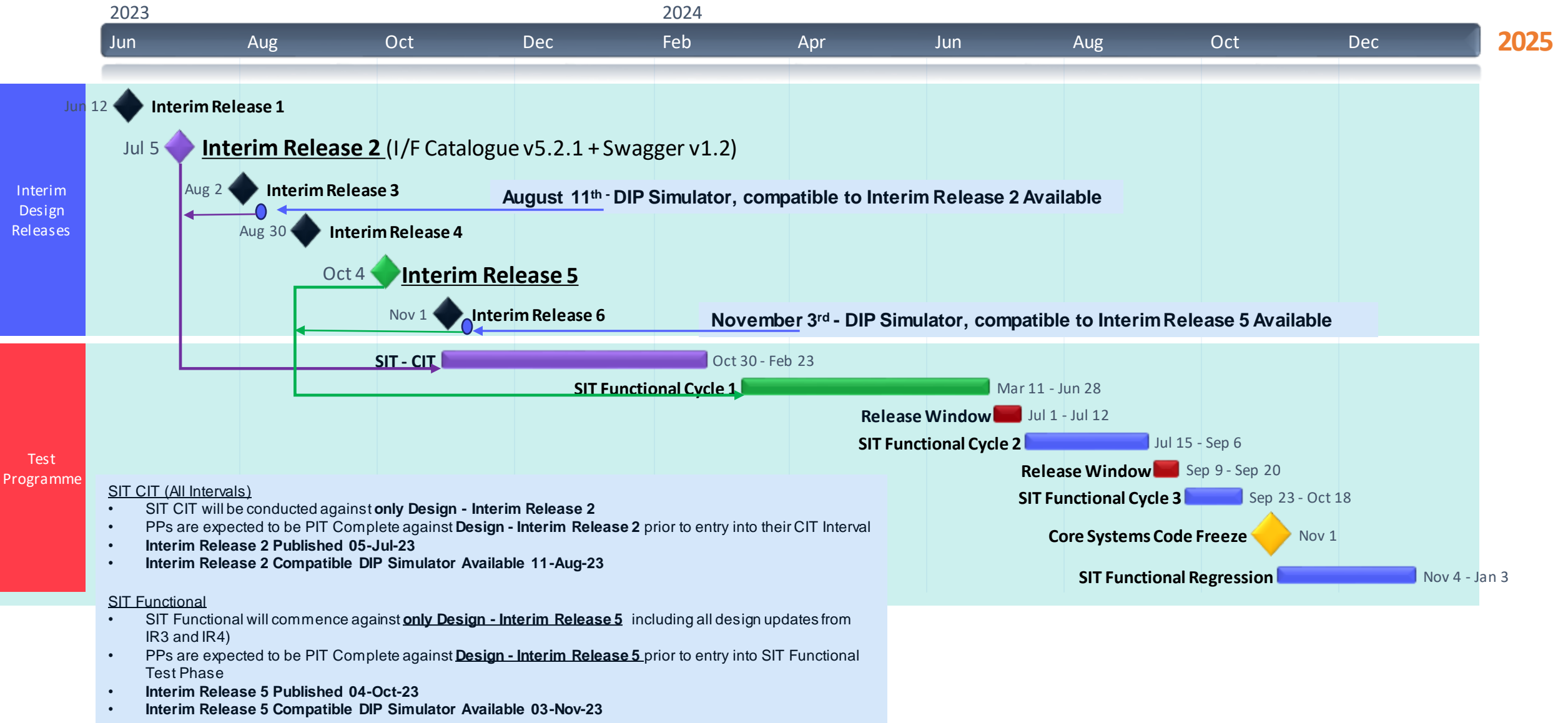
SIT Functional

- SIT Functional will commence against **Design - Interim Release 5** only (including all design updates from IR3 and IR4)
- PPs are expected to be PIT Complete against **Design - Interim Release 5** prior to entry into SIT Functional Test Phase
- PPs are expected to provide:
 - An integrated Test Environment, built to Interim Release 5, to conduct SIT Functional Testing
 - A separate isolated Test Environment, built to Interim Release 5 in support of any SIT Functional Defect Retesting

PPs can choose to continue their development against Interim Releases beyond IR5, however this must be in a separate test environment using branched code. In addition, PIT Test Activities in readiness for SIT Migration also need to be in separate Test Environments

- **Interim Release 5 Published 04-Oct-23**
- **Interim Release 5 Compatible DIP Simulator Available 03-Nov-23**

Interim Release Plan vs SIT Entry



SIT CIT (All Intervals)

- SIT CIT will be conducted against **only Design - Interim Release 2**
- PPs are expected to be PIT Complete against **Design - Interim Release 2** prior to entry into their CIT Interval
- Interim Release 2 Published 05-Jul-23**
- Interim Release 2 Compatible DIP Simulator Available 11-Aug-23**

SIT Functional

- SIT Functional will commence against **only Design - Interim Release 5** including all design updates from IR3 and IR4)
- PPs are expected to be PIT Complete against **Design - Interim Release 5** prior to entry into SIT Functional Test Phase
- Interim Release 5 Published 04-Oct-23**
- Interim Release 5 Compatible DIP Simulator Available 03-Nov-23**

Release Strategy continued + DIP Simulator

Forecast Major Releases

- SIT Functional testing will commence aligned to Interim Release 5
- Interim Design Releases will continue to iterate beyond Interim Release 5
- SIT Functional Test Phase broken down into 3 cycles of Test plus a final Regression Test Cycle. Between each cycle is 2-week Maintenance Window.
- SIT A Test Environment will support SIT Functional Testing
- SIT B Test Environment will support SIT Migration, Non-Functional and Operational Testing
- Major Releases will be planned during each SIT A Maintenance Window
 - From the point SIT Migration Test commences, then SIT B will receive Releases aligned to SIT A

DIP Simulator

- MHHS will provide DIP Simulators to support PIT Testing against 2 concurrent releases:
 - DIP Simulator #1 – IR2 compatible, available from 11/08/23 – 01/03/24
 - DIP Simulator #2 – IR5 compatible, available from 03/11/23 – 28/06/24
 - DIP Simulator #1 – IRx compatible, available from 08/03/24 – 27/09/24

Note – The 2 DIP Instances will be available in support of PIT activities throughout the SIT Test Phase, and will at least one instance will be available throughout the Qualification Test Phase

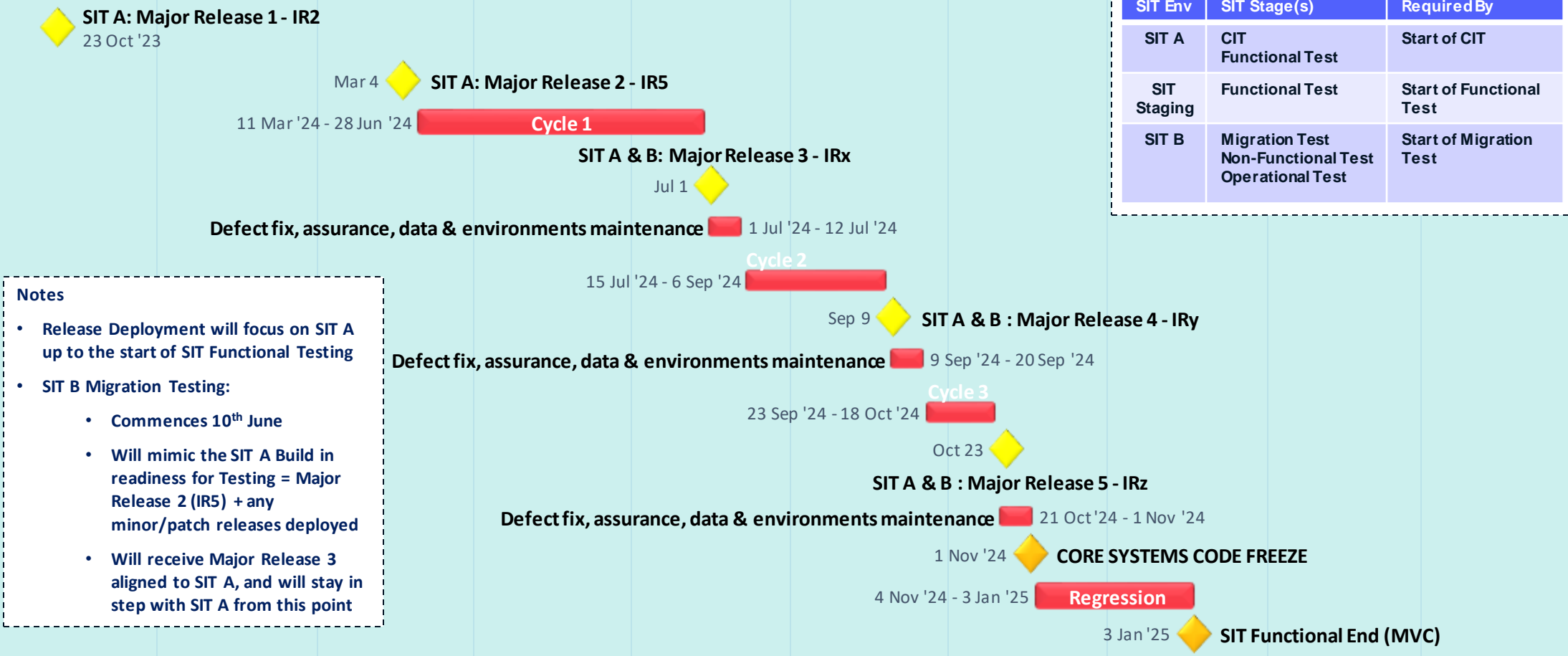
Jul 15 - Sep 6

SIT CIT

30 Oct '23 SIT CI Test Execution 23 Feb '24

SIT Environments –		
SIT Env	SIT Stage(s)	Required By
SIT A	CIT Functional Test	Start of CIT
SIT Staging	Functional Test	Start of Functional Test
SIT B	Migration Test Non-Functional Test Operational Test	Start of Migration Test

SIT Func



Notes

- Release Deployment will focus on SIT A up to the start of SIT Functional Testing
- SIT B Migration Testing:
 - Commences 10th June
 - Will mimic the SIT A Build in readiness for Testing = Major Release 2 (IR5) + any minor/patch releases deployed
 - Will receive Major Release 3 aligned to SIT A, and will stay in step with SIT A from this point

SIT Mig

10 Jun '24 - 4 Apr '25 SIT Migration

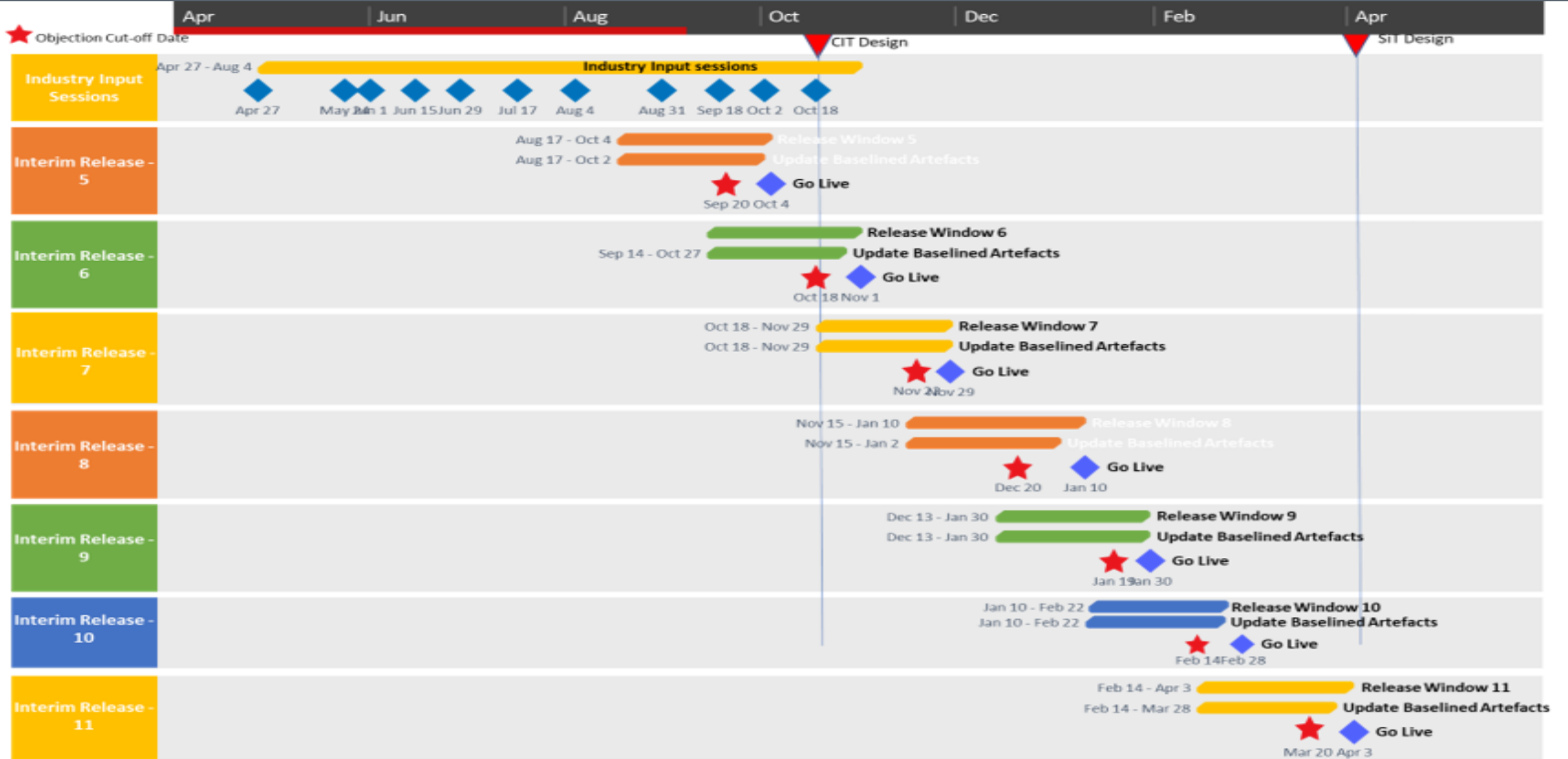
SIT NFT

2 Sep '24 - 4 Apr '25 SIT NFT

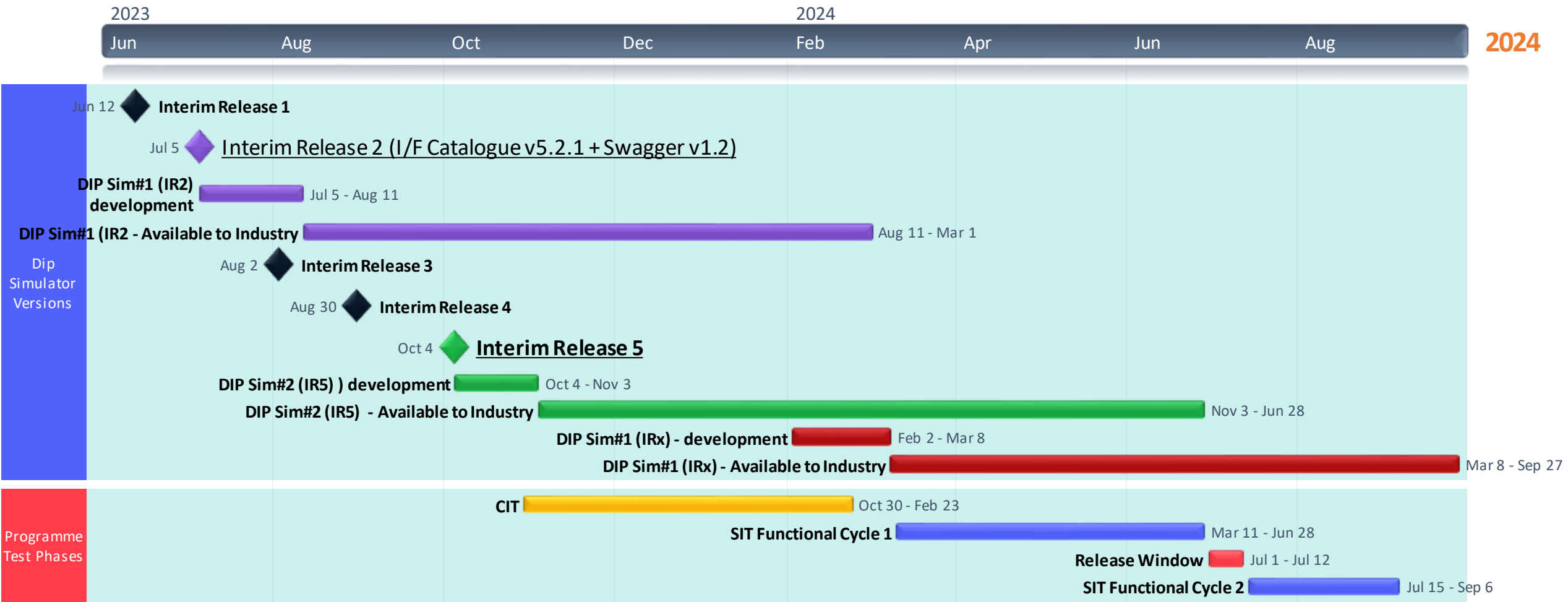
SIT Ops

7 Oct '24 - 4 Apr '25 SIT Ops

IR Roadmap



Interim Release Plan vs SIT Entry



2024

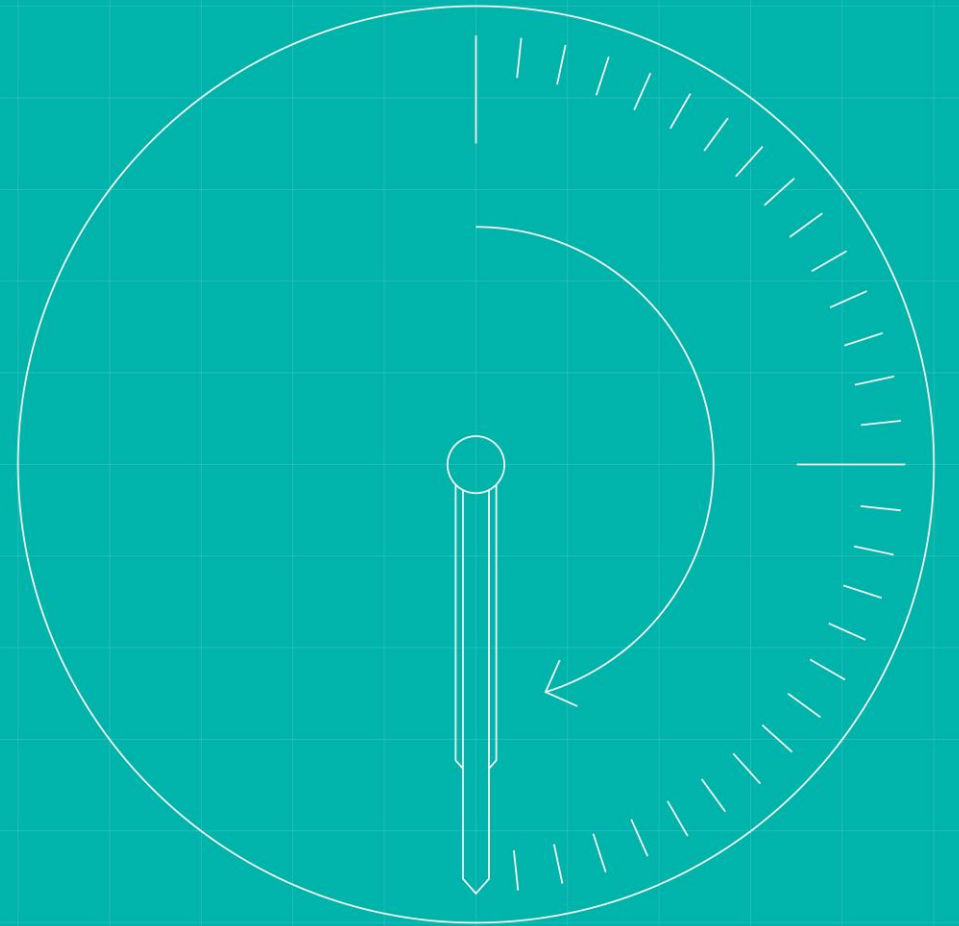
Programme Test Phases

Qualification Update

INFORMATION: Verbal update following 18 October QWG focused on Non-SIT LDSO testing

Programme (Jason Brogden) / Code Bodies

5 mins



The QWG was specific to the Non SIT LDSO Qualification this month:

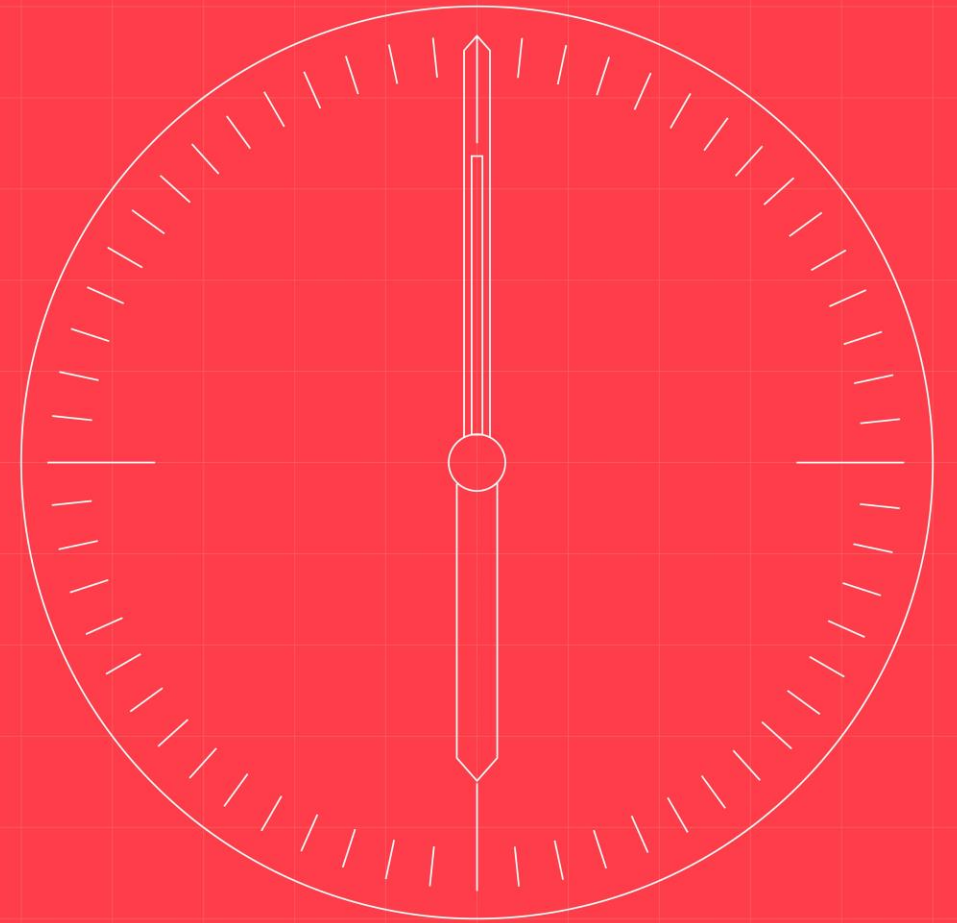
- Non SIT LDSO Qualification timescales
- Non SIT LDSO Qualification Testing Strategy
- Non SIT LDSO Environment requirements and scope
- Non SIT LDSO test scenarios and test cases development
- Non SIT LDSO Test Approach

Migration Thresholds and Migration Profile

INFORMATION: Provide an update on the Migration Thresholds and Migration Profile document

Programme (John Wiggins)

10 mins



High-Level Themes

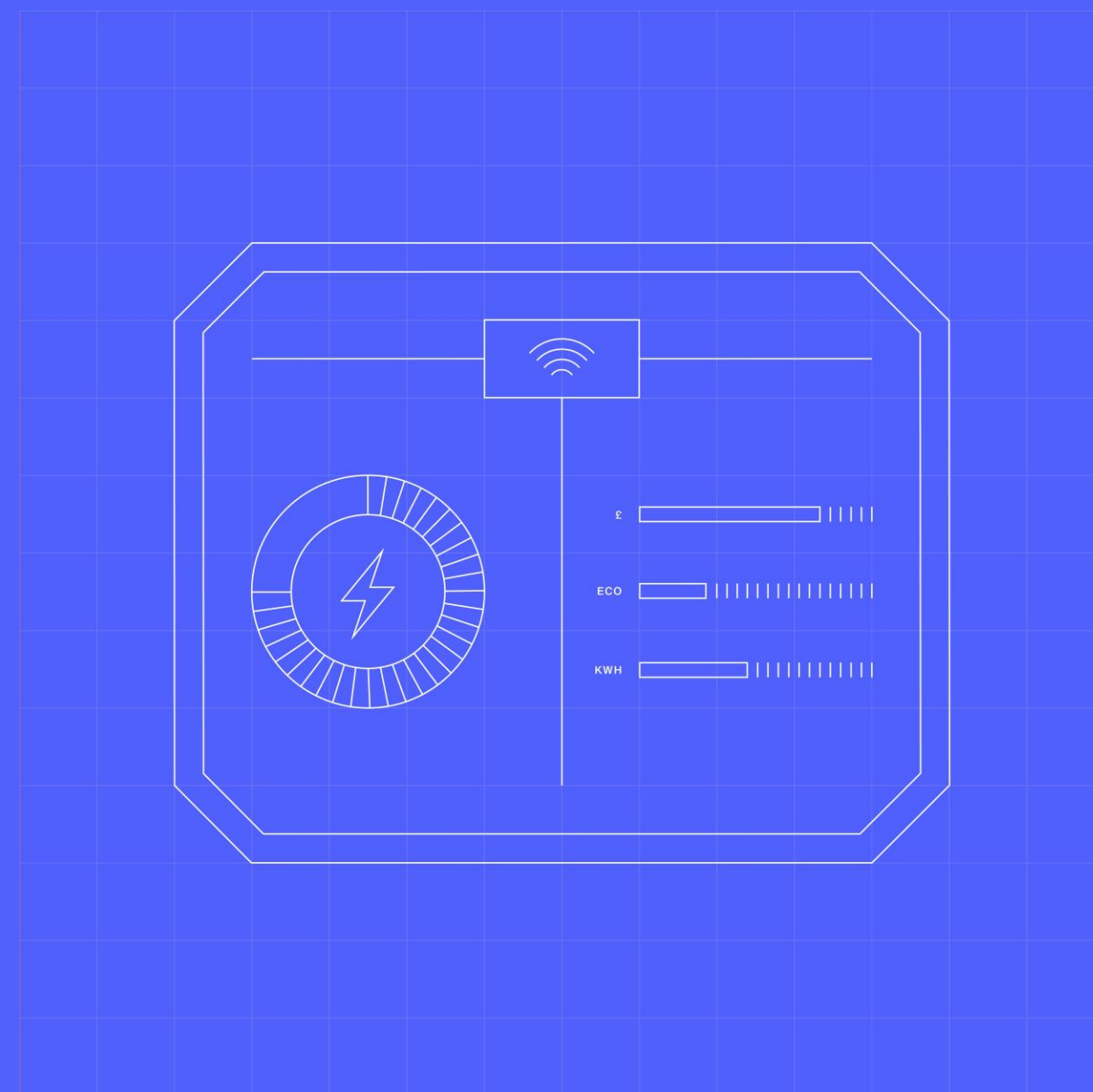
- Suppliers have provided feedback that they would also like to know their individual migration thresholds in order to inform their internal Migration planning.
 - As set out in the baselined Migration, Cutover and Data Strategy document, this is due to be addressed from Q1 2024 within the design of the Migration Control Centre and Migration Planning Management Tool. The methodology for assigning capacity to Suppliers, on a non-discriminatory basis, will be developed as a key component of this activity.
 - However, within the scenario analysis conducted to support the proposed thresholds, we have stress tested volumes that support a number of scenarios and demonstrated that these volumes support Suppliers wishing to deploy at speed and Suppliers qualifying in later tranches.
- A risk has been raised by LDSOs that they cannot verify the performance of MPRS until late 2024, based on the development plan being followed by St Clements.
 - The Programme acknowledges this risk and has raised it as a Programme risk (R677)

Data Cleanse Working Group

DECISION: Approve by exception - Data Cleanse Working Group's (DCWG) Terms of Reference version 1.0

Programme (John Wiggins)

5 mins

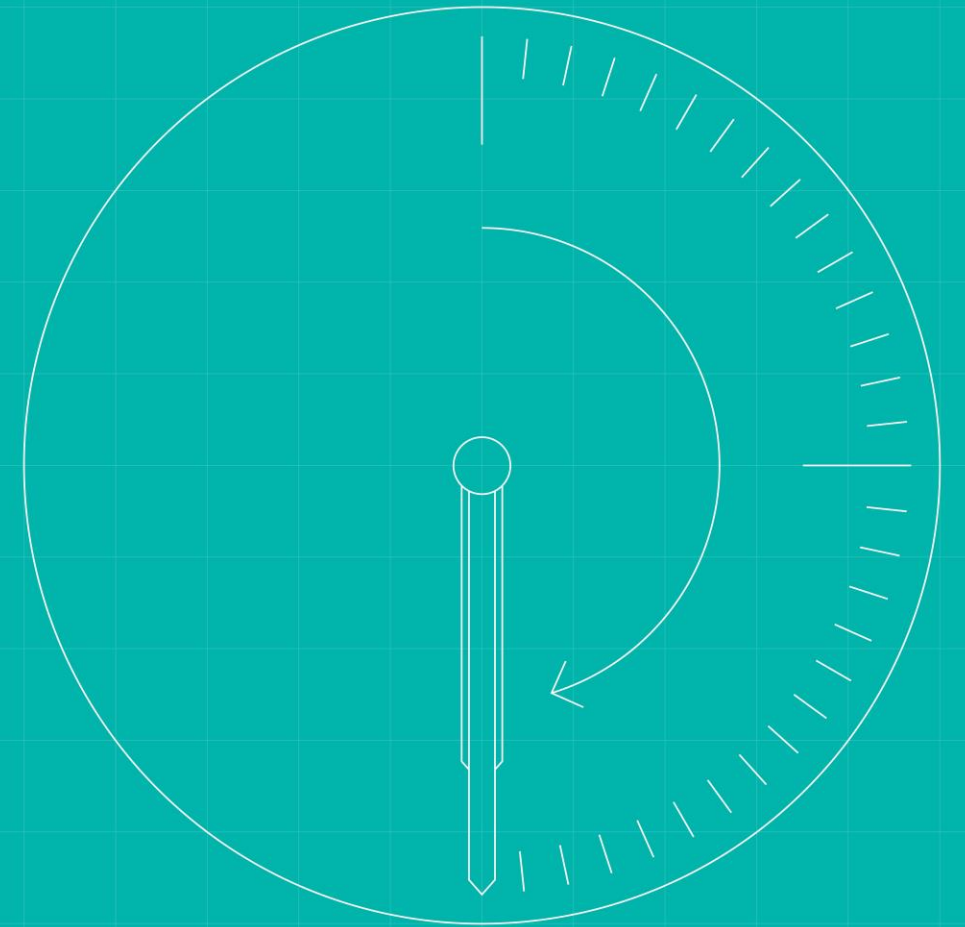


Requirement for a New Working Group

DECISION: Approve the set-up of a new Transition & Operational Readiness Working Group (TORWG)

Programme (John Wiggins)

5 mins



Requirement for a New Working Group

- The Migration Team are currently progressing the MHHS Service Management Strategy work. We would like to discuss this with industry in the near future as we work towards getting this work completed for January 2024.
- However, the scope of this work and the personnel required are very different to where the rest of the team's work currently sits under the Migration Working Group (MWG), and any other existing Working Group.
- There will also be many more Transition and Operational Readiness-related items coming through the team's work pipeline into early 2024 which will need sharing with participants. E.g. In early 2024 alone: Cutover Plan and Runbook; Development of the Early Life Support Model; Change of Settlement Calendar – Decision Making Criteria.
- We would therefore like to propose a new 'Transition & Operational Readiness Working Group' (TORWG) to drive forward these pieces of work.

Recommendation for Approval

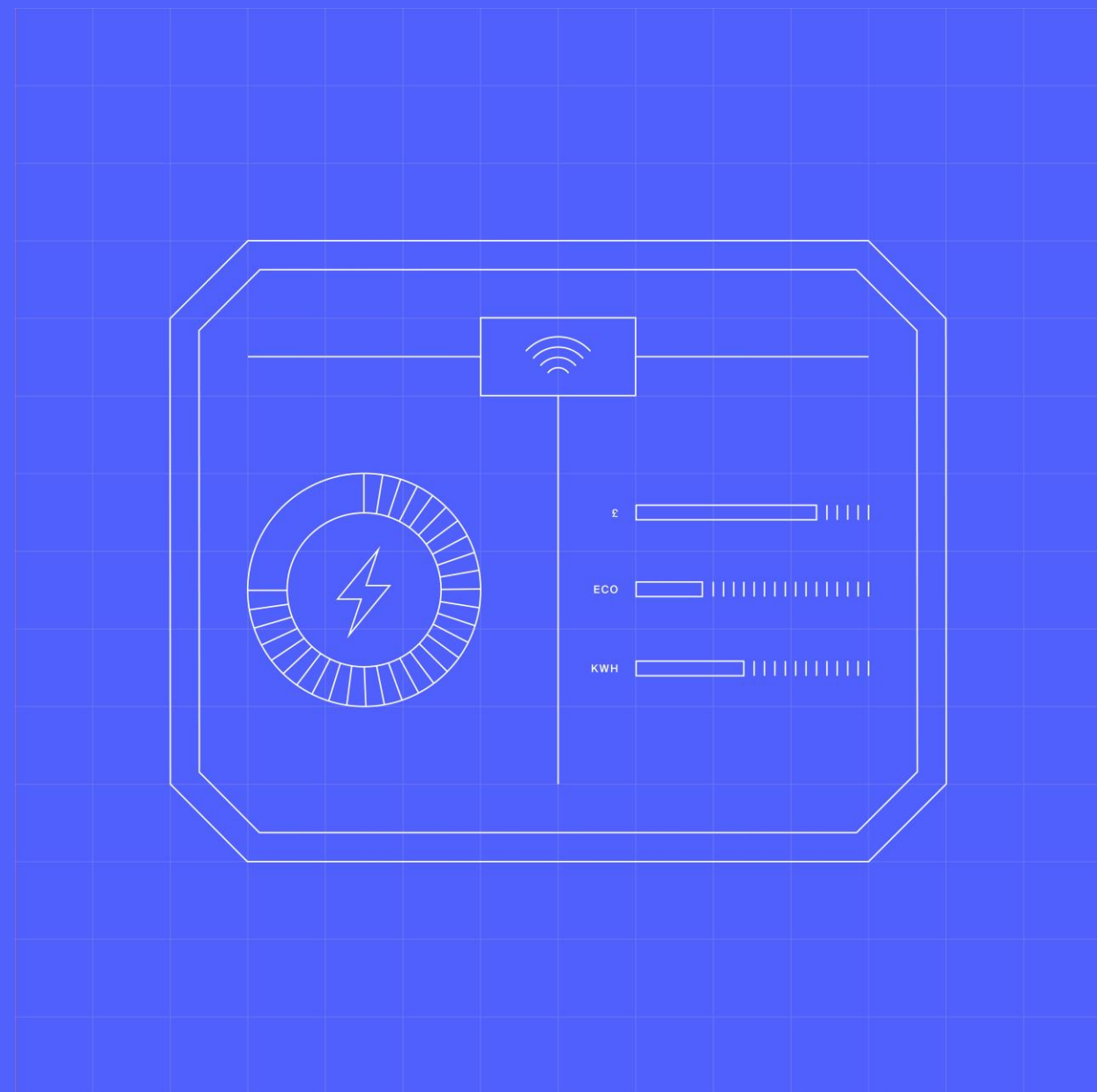
- The Programme recommends that the set-up of a new Transition & Operational Readiness Working Group is approved to progress future Transition and Operational Readiness-related items.

IPA Test Assurance

INFORMATION: IPA Test Assurance Period 1 & 2
Status Update

IPA

10 mins





Status as at 13 October 2023

P1 Report Recommendations

25 actions were agreed in total



We meet monthly with LDP to track progress of agreed actions from our P1 Testing Assurance report. The current status of these actions is as follows:

-  12/25 closed as completed
-  13/25 currently in progress

Progress against these actions are reported monthly as part of IPA's PSG Dashboard.

P2 Fieldwork Progress

16 Total Participants

-  16/16 Participant briefing sessions held
-  15/16 Participant deep dives completed

In addition, we have held multiple sessions with LDP workstreams. One participant deep dive session has been deferred but will be included in the qualification update for P2

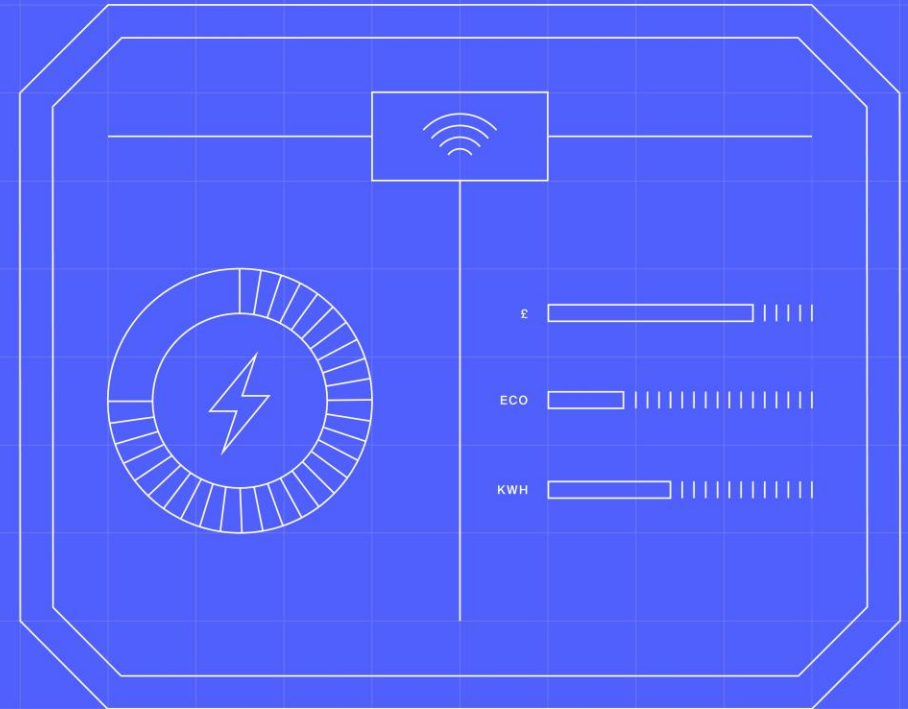
The IPA P2 report will be a key input to the M9 SIT Start PSG decision. Our report will be provided to the SRO in advance of the 30 October PSG in line with the decision timeline set out by the Programme.

3 Month Milestone Look Ahead & Milestone Changes

INFORMATION / DECISION: Update on the upcoming Programme milestones related to TMAG and milestone changes coming for approval

Programme (PMO & Workstream leads)

5 mins



- Over the last month we have continued to review the testing section of the programme plan. This activity has been ongoing since last month and will continue in the medium term as changes to the testing delivery approach and timeline are crystallised.
- PIT entry into SIT CIT, SIT Functional, SIT Migration, SIT Non-Functional and SIT Operational has been updated including linkages to all readiness activities.
- Delivery of Test Scenarios and Test Cases in support of all SIT Functional have been updated.
- Work on non-SIT LDSO testing awaiting Code Bodies to provide revised plan to Programme.
- The following slides provide a detailed 3-month look ahead of all upcoming programme milestones and any milestone changes.

Look Ahead – Key Milestones Status at 11/10/23 (1) *To align to weekly FTIG reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.*

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 4/10	Current RAG 11/10	Forecast RAG 18/10	Commentary
T3-TE-0067	TMAG	E2E Sandbox Guidance approved	Fri 04/08/23	Fri 04/08/23	SI Test	Red	Red	Red	Red because awaiting programme decision on Sandbox
T3-DB-0052	TMAG	All UMSO Test Approach & Plans (PIT) submitted to Programme for assurance	Fri 15/09/23	Fri 13/10/23	PP	Red	Red	Blue	Red because of delayed submissions from PPs
T3-TE-0096	TMAG	Test Data - Population of Data Items for Testing Guidance - Draft Complete	Fri 15/09/23	Fri 13/10/23	SI Test Data	Red	Red	Blue	Red because learnings from Intervals 1 & 2 were required to complete the document
T3-DB-0129	TMAG	All Data Services Test approach and plans MHHS Review Completed	Thu 21/09/23	Thu 21/09/23	SI Test	Red	Red	Red	Red due to high volume to be reviewed. Date change under consideration. Review will be completed no later than 17/11 a head of Interval 3 Readiness Assessment
T3-DB-0131	TMAG	All Data Services Test scenarios' MHHS Review Completed	Thu 28/09/23	Thu 28/09/23	SI Test	Red	Red	Red	Red due to high volume to be reviewed. Date change under consideration. Review will be completed no later than 17/11 a head of Interval 3 Readiness Assessment
T3-DB-0125	TMAG	Registration Services RTTM MHHS Review Completed	Fri 29/09/23	Fri 29/09/23	SI Test	Red	Red	Red	Red because small number of comments still to be resolved, will be completed no later than 3/11 ahead of Interval 2 Readiness Assessment
T3-DB-0130	TMAG	All Data Services RTTMs MHHS Review Completed	Fri 29/09/23	Fri 29/09/23	SI Test	Red	Red	Red	Red due to high volume to be reviewed. Date change under consideration. Review will be completed no later than 17/11 a head of Interval 3 Readiness Assessment
T3-TE-0095	TMAG	Test Data - Detailed SIT Functional Data Load Guidance Complete	Fri 29/09/23	Fri 13/10/23	SI Test Data	Red	Red	Blue	Red because learnings from Intervals 1 & 2 were required to complete the document

Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation
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Look Ahead – Key Milestones Status at 11/10/23 (2) *To align to weekly FTIG reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.*

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 4/10	Current RAG 11/10	Forecast RAG 18/10	Commentary
T3-TE-0073	TMAG	Test Data (SITA) Interval 1 Complete	Fri 29/09/23	Fri 20/10/23	SI Test	Red	Red	Blue	Per agreed plan with Avande, test data to be loaded on week commencing 16/10, this is the earliest it can be planned due to a test code being required. (M9 dependant)
T3-DB-0037	TMAG	All SIT Suppliers test scenarios' submitted to Programme for assurance	Thu 05/10/23	Thu 05/10/23	PP	Green	Red	Red	Red because small number of Test Scenarios still outstanding
T3-DB-0062	TMAG	All Network Operation RTTMs submitted to Programme for assurance	Thu 05/10/23	Thu 05/10/23	PP	Green	Red	Red	Red because 50% of RTTMs outstanding
T3-DB-0011	TMAG	All Network Operation test scenarios' submitted to Programme for assurance	Thu 05/10/23	Thu 05/10/23	PP	Green	Red	Red	Red because not received yet
T3-DB-0064	TMAG	All SIT Suppliers RTTMs submitted to Programme for assurance	Fri 06/10/23	Fri 06/10/23	PP	Green	Red	Red	Red because small number of RTTMs still outstanding
T3-TE-0021	TMAG	SIT Participants' SIT A environments ready to start connectivity proving CIT Interval 3	Fri 06/10/23	Fri 06/10/23	PP	Green	Blue	Grey	
T3-DB-0111	TMAG	DIP PIT Completion Report (Interim Release 1) submitted to Programme for assurance	Mon 09/10/23	Mon 09/10/23	PP	Green	Blue	Grey	
T3-DB-0167	TMAG	All SIT Suppliers Test Approach & Plans MHHS Review Completed	Thu 12/10/23	Thu 12/10/23	SI Test	Yellow	Red	Red	Red due to high volume to be reviewed. Date change under consideration. Review will be completed no later than 08/01/24 a head of Interval 5 Readiness Assessment
T3-DB-0172	TMAG	All Network Operation Test Approach & Plans MHHS Review Completed	Thu 12/10/23	Thu 12/10/23	SI Test	Yellow	Red	Red	Red due to high volume to be reviewed. Date change under consideration. Review will be completed no later than 08/01/24 a head of Interval 5 Readiness Assessment
T3-DB-0066	TMAG	EES Test Approach & Plan (PIT) submitted to Programme for assurance	Fri 13/10/23	Fri 13/10/23	PP	Green	Green	Green	

Look Ahead – Key Milestones Status at 11/10/23 (3) *To align to weekly FTIG reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.*

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 4/10	Current RAG 11/10	Forecast RAG 18/10	Commentary
T3-TE-0094	TMAG	PPs register PKI Officers and request PKI certificates Complete - Interval 1	Fri 13/10/23	Fri 13/10/23	PP	Green	Green	Green	
T3-DB-0127	TMAG	Registration Services PIT (CIT interval 2) Completion Report submitted to Programme for assurance	Fri 20/10/23	Fri 20/10/23	PP	Green	Green	Green	
T3-DB-0134	TMAG	All Metering Services Test approach and plans MHHS Review Completed	Fri 20/10/23	Fri 20/10/23	SI Test	Yellow	Yellow	Yellow	Amber because of test assurance resource capacity
T3-TE-0098	TMAG	PPs Register PKI Officers and request PKI certificates Complete - Interval 2	Fri 20/10/23	Fri 20/10/23	PP	Green	Green	Green	
T3-TE-0074	TMAG	Test Data (SITA) Interval 2 Complete	Fri 20/10/23	Fri 20/10/23	SI Test	Green	Green	Green	
T3-TE-0022	TMAG	SIT Participants' SIT A environments ready to start connectivity proving CIT Interval 4	Fri 20/10/23	Fri 20/10/23	SI Test	Green	Green	Green	
T3-DB-0112	TMAG	DIP PIT Completion Report (Interim Release 1) MHHS Review Completed	Mon 23/10/23	Mon 23/10/23	SI Test	Green	Green	Green	
T3-DB-0113	TMAG	DIP PIT Completion Report (Interim Release 2) submitted to Programme for assurance	Mon 23/10/23	Mon 23/10/23	PP	Green	Green	Green	
T2-TE-0250	TMAG	SIT Component Integration Testing 1 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	Mon 23/10/23	Mon 23/10/23	SI Test	Yellow	Yellow	Yellow	Amber because there are a number of associated risks that are being mitigated by the Programme
T3-DB-0085	DAG	Interim release 6 Go live	Fri 27/10/23	Fri 27/10/23	SI Design	Green	Green	Green	
T3-DB-0135	TMAG	All Metering Services MHHS Reviews Completed	Fri 27/10/23	Fri 27/10/23	SI Test	Yellow	Yellow	Yellow	Amber because of test assurance resource capacity
T3-DB-0136	TMAG	All Metering Services Test scenarios' MHHS Review Completed	Fri 27/10/23	Fri 27/10/23	SI Test	Yellow	Yellow	Yellow	Amber because of test assurance resource capacity
T2-DB-0100	DAG	Phase 1 - SIT Volunteers (Core Providers) complete	Fri 27/10/23	Fri 27/10/23	SI Design	Green	Green	Green	
T1-TE-1000	PSG	System Integration Testing Start (M9)	Mon 30/10/23	Mon 30/10/23	CPT	Yellow	Yellow	Yellow	Amber because there are a number of associated risks that are being mitigated by the Programme

Look Ahead – Key Milestones Status at 11/10/23 (4) *To align to weekly FTIG reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.*

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 4/10	Current RAG 11/10	Forecast RAG 18/10	Commentary
T3-TE-0060	TMAG	Component Integration Testing Interval 1 Start	Mon 30/10/23	Mon 30/10/23	SI Test	Yellow	Yellow	Yellow	Amber because there are a number of associated risks that are being mitigated by the Programme
T1-CP-2000	PSG	Control Point 2 - Start of Integration & Test (incl. Control Point Report approval)	Mon 30/10/23	Mon 30/10/23	CPT	Green	Green	Green	
T1-CP-2000	PSG	Control Point 2 - Start of Integration & Test (incl. Control Point Report approval)	Mon 30/10/23	Mon 30/10/23	CPT	Green	Green	Green	
T3-QU-0063	BSCPAB & REC Manager	Functional Testing elements of Qualification Approach & Plan approved by REC Manager & BSCPAB	Tue 31/10/23	Tue 31/10/23	Code Bodies	Green	Green	Green	
T3-DB-0072	TMAG	EES RTTMs submitted to Programme for assurance	Thu 02/11/23	Thu 02/11/23	PP	Green	Green	Green	
T3-DB-0031	TMAG	EES test scenarios submitted to Programme for assurance	Thu 02/11/23	Thu 02/11/23	PP	Green	Green	Green	
T3-DB-0169	TMAG	All SIT Suppliers Test scenarios' MHHS Review Completed	Thu 02/11/23	Thu 02/11/23	SI Test	Yellow	Yellow	Yellow	Amber because of test assurance resource capacity
T3-DB-0173	TMAG	All Network Operation RTTMs MHHS Review Completed	Thu 02/11/23	Thu 02/11/23	SI Test	Yellow	Yellow	Yellow	Amber because of test assurance resource capacity
T3-DB-0174	TMAG	All Network Operation test scenarios' MHHS Review Completed	Thu 02/11/23	Thu 02/11/23	SI Test	Yellow	Yellow	Yellow	Amber because of test assurance resource capacity
T3-DB-0039	TMAG	DIP Simulator uplifted to align with Interim Release 5	Fri 03/11/23	Fri 03/11/23	SI DevOps	Yellow	Yellow	Yellow	Amber because S & E team couldn't view the IR5 design docs in advance & assess the scope of changes. Required workload will in fact be more than can be completed in 2 sprints, which was the original estimate. Concern is that this could delay delivery
T3-DB-0128	TMAG	Registration Services PIT (CIT interval 2) Completion Report MHHS Review Completed	Fri 03/11/23	Fri 03/11/23	SI Test	Green	Green	Green	
T3-DB-0132	TMAG	All Data Services PIT Completion Reports submitted to Programme for assurance	Fri 03/11/23	Fri 03/11/23	PP	Green	Green	Green	

Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation
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Look Ahead – Key Milestones Status at 11/10/23 (5) *To align to weekly FTIG reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.*

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 4/10	Current RAG 11/10	Forecast RAG 18/10	Commentary
T3-DB-0168	TMAG	All SIT Suppliers RTTMs MHHS Review Completed	Fri 03/11/23	Fri 03/11/23	SI Test	Amber	Amber	Amber	Amber because of test assurance resource capacity
T3-TE-0104	TMAG	SIT Component Integration Testing Test cases Batch 2 (CIT Intervals 3 and 4) approved at ETMAG	Fri 03/11/23	Fri 03/11/23	SI Test	Green	Green	Green	
T3-DB-0017	TMAG	PP PIT Completion Report (excl. Migration/Reverse Migration) submitted to Programme for assurance CIT Interval 3	Fri 03/11/23	Fri 03/11/23	PP	Green	Green	Green	
T3-TE-0075	TMAG	Test Data (SITA) Interval 3 Complete	Fri 03/11/23	Fri 03/11/23	SI Test	Green	Green	Green	
T3-DB-0114	TMAG	DIP PIT Completion Report (Interim Release 2) MHHS Review Completed	Mon 06/11/23	Mon 06/11/23	SI Test	Green	Green	Green	
T2-TE-0300	TMAG	SIT Component Integration Testing 2 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	Mon 06/11/23	Mon 06/11/23	SI Test	Green	Amber	Amber	Amber because of dependency on PPs PIT
T3-DB-0119	TMAG	EES Test approach and plan (PIT) MHHS Review Completed	Thu 09/11/23	Thu 09/11/23	SI Test	Green	Green	Green	
T3-TE-0099	TMAG	PPs Register PKI Officers and Request PKI certificates Complete - Interval 3	Fri 10/11/23	Fri 10/11/23	PP	Green	Green	Green	
T3-TE-0023	TMAG	SIT Participants' SIT A environments ready to start connectivity proving CIT Interval 5	Fri 10/11/23	Fri 10/11/23	SI Test	Green	Green	Green	
T3-TE-0061	TMAG	Component Integration Testing Interval 2 Start	Mon 13/11/23	Mon 13/11/23	SI Test	Green	Green	Green	

Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation
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Look Ahead – Key Milestones Status at 11/10/23 (6) *To align to weekly FTIG reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.*

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 4/10	Current RAG 11/10	Forecast RAG 18/10	Commentary
T2-RA-0200	PSG	Readiness Assessment 3 - Design & Build Checkpoint 1 - Completed (incl. Readiness Assessment Report approval)	Mon 13/11/23	Mon 13/11/23	CPT				
T3-TE-0090	TMAG	Environment Approach and Plan - SIT Functional	Wed 15/11/23	Wed 15/11/23	SI Test				
T3-TE-0091	TMAG	Environment Approach and Plan - Non SIT LDSO	Wed 15/11/23	Wed 15/11/23	SI Test				Red because date wont be met. Discussions are ongoing between Programme and Code Bodies re: LDSO testing. When concluded, date will be replanned and submitted to TMAG for a approval
T2-DB-0250	DAG	Tranche 2 Transition Design Baselined	Wed 15/11/23	Wed 15/11/23	SRO				
T3-DB-0093	TMAG	SIT Functional PIT Test Approach & Plan (PIT)s submitted to Programme for assurance	Fri 17/11/23	Fri 17/11/23	PP				
T3-DB-0068	TMAG	DCC Test Approach & Plan (PIT)s submitted to Programme for assurance	Fri 17/11/23	Fri 17/11/23	PP				
T3-DB-0133	TMAG	All Data Services PIT Completion Reports MHHS Review Completed	Fri 17/11/23	Fri 17/11/23	SI Test				
T3-DB-0137	TMAG	All Metering Services PIT Completion Reports submitted to Programme for assurance	Fri 17/11/23	Fri 17/11/23	PP				
T3-DB-0019	TMAG	PP PIT Completion Report (excl. Migration/Reverse Migration) submitted to Programme for assurance CIT Interval 4	Fri 17/11/23	Fri 17/11/23	PP				
T3-TE-0076	TMAG	Test Data (SITA) Interval 4 Complete	Fri 17/11/23	Fri 17/11/23	SI Test				
T2-TE-0350	TMAG	SIT Component Integration Testing 3 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	Mon 20/11/23	Mon 20/11/23	SI Test				
T2-DB-0200	DAG	SIT PPs design assurance (excl Migration/Reverse Migration) complete	Wed 22/11/23	Wed 22/11/23	SI Design				
T3-RE-0300	CCAG	Code drafting for Governance and Qualification topic areas approved	Wed 22/11/23	Wed 22/11/23	PP				
T3-RE-0400	CCAG	Code drafting for Migration topic area approved	Wed 22/11/23	Wed 22/11/23	PP				
T3-TE-0100	TMAG	PPs register PKI Officers and Request PKI Certificates Complete - Interval 4	Fri 24/11/23	Fri 24/11/23	PP				
T3-TE-0024	TMAG	SIT Participants' SIT A environments ready to start connectivity proving CIT Interval 6	Fri 24/11/23	Fri 24/11/23	SI Test				
T3-TE-0062	TMAG	Component Integration Testing Interval 3 Start	Mon 27/11/23	Mon 27/11/23	SI Test				

Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation
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Look Ahead – Key Milestones Status at 11/10/23 (7) *To align to weekly FTIG reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.*

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 4/10	Current RAG 11/10	Forecast RAG 18/10	Commentary
T3-DB-0098	DAG	Interim release 7 Go live	Wed 29/11/23	Wed 29/11/23	SI Design	Green	Green	Green	
T3-DB-0120	TMAG	EES RTTM MHHS Review Completed	Thu 30/11/23	Thu 30/11/23	SI Test	Green	Green	Green	
T3-DB-0121	TMAG	EES Test scenarios MHHS Review Completed	Thu 30/11/23	Thu 30/11/23	SI Test	Green	Green	Green	
T3-MI-0022	TMAG	Acceptance criteria for M15 agreed at TMAG	Thu 30/11/23	Thu 30/11/23	SI Migration	Yellow	Yellow	Yellow	Amber because conversations due to take place at MWG on the 12/10
T3-DB-0138	TMAG	All Metering Services PIT Completion Reports MHHS Review Completed	Fri 01/12/23	Fri 01/12/23	SI Test	Green	Green	Green	
T2-TE-0400	TMAG	SIT Component Integration Testing 4 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	Mon 04/12/23	Mon 04/12/23	SI Test	Green	Green	Green	
T3-DB-0091	TMAG	SIT Functional PIT RTTM submitted to Programme for assurance	Thu 07/12/23	Thu 07/12/23	PP	Green	Green	Green	
T3-DB-0089	TMAG	SIT Functional PIT test scenarios submitted to Programme for assurance	Thu 07/12/23	Thu 07/12/23	PP	Green	Green	Green	
T3-DB-0170	TMAG	All SIT Suppliers PIT Completion Reports submitted to Programme for assurance	Fri 08/12/23	Fri 08/12/23	PP	Green	Green	Green	
T3-DB-0175	TMAG	All Network Operation PIT (CIT interval 5) Completion Reports submitted to Programme for assurance	Fri 08/12/23	Fri 08/12/23	PP	Green	Green	Green	
T3-TE-0105	TMAG	SIT Component Integration Testing Test cases Batch 3 (CIT Intervals 5 and 6) approved at ETMAG	Fri 08/12/23	Fri 08/12/23	SI Test	Green	Green	Green	
T3-TE-0097	TMAG	Test Data - Population of Data Items for Testing Guidance - Final Complete	Fri 08/12/23	Fri 08/12/23	SI Test Data	Green	Green	Green	
T3-DB-0021	TMAG	PP PIT Completion Report (excl. Migration/Reverse Migration) submitted to Programme for assurance CIT Interval 5	Fri 08/12/23	Fri 08/12/23	PP	Green	Green	Green	
T3-TE-0101	TMAG	PPs register PKI Officers and Request PKI Certificates Complete - Interval 5	Fri 08/12/23	Fri 08/12/23	PP	Green	Green	Green	
T3-TE-0077	TMAG	Test Data (SITA) Interval 5 Complete	Fri 08/12/23	Fri 08/12/23	SI Test	Green	Green	Green	

Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation
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Look Ahead – Key Milestones Status at 11/10/23 (8) *To align to weekly FTIG reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.*

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 4/10	Current RAG 11/10	Forecast RAG 18/10	Commentary
T3-TE-0063	TMAG	Component Integration Testing Interval 4 Start	Mon 11/12/23	Mon 11/12/23	SI Test				
T3-DB-0115	TMAG	DCC Test Approach & Plan (PIT) MHHS Review Completed	Fri 15/12/23	Fri 15/12/23	SI Test				
T3-DB-0074	TMAG	DCC RTTM s submitted to Programme for assurance	Fri 15/12/23	Fri 15/12/23	PP				
T3-DB-0078	TMAG	DCC test s scenarios submitted to Programme for assurance	Fri 15/12/23	Fri 15/12/23	PP				
T3-TE-0088	TMAG	SIT participants have received DCC CSS PKI certificates for UIT-B environment	Fri 15/12/23	Fri 15/12/23	SIT Participants (Suppliers & Third Parties)				
T3-TE-0089	TMAG	SIT participants have received DCC DSP PKI certificates for UIT-B environment	Fri 15/12/23	Fri 15/12/23	PPs in SDS Market Role				
T3-TE-0018	TMAG	SIT Migration Testing Test Approach & Plan approved	Wed 20/12/23	Wed 20/12/23	SI Test				
T3-DB-0171	TMAG	All SIT Suppliers PIT Completion Reports MHHS Review Completed	Fri 22/12/23	Fri 22/12/23	SI Test				
T3-DB-0176	TMAG	All Network Operation PIT (CIT interval 5) Completion Reports MHHS Review Completed	Fri 22/12/23	Fri 22/12/23	SI Test				
T3-TE-0078	TMAG	Test Data (SITA) Interval 6 Complete	Fri 22/12/23	Fri 22/12/23	SI Test				

Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation
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Key Milestones Change at 11/10/23 (1)

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

Milestone ID	Responsible	Change Type	Milestone Title	Baseline Date	Forecast Date	Previous RAG 4/10	Current RAG 11/10	Forecast RAG 18/10	Commentary
T3-TE-0070	SI Test	Date Change	SIT Functional Testing Test cases approved	Fri 01/09/23	Wed 17/01/24				Date change because needs to be replanned to align to IR5 based Test s scenario delivery
T3-TE-0015	SI Test	Date Change	SIT Functional Testing Test s scenarios approved	Wed 20/09/23	Fri 08/12/23				Date change because needs to be replanned to align to IR5 based Test s scenario delivery
T3-TE-0084	SI Test Data	Date Change	Test Data - SFTP Onboarding Complete	Fri 29/09/23	Fri 24/11/23				Date change because we have changed the approach to SFTP onboarding to be phased by interval
T3-DB-0060	PP	Date Change	All UMSO RTTMs submitted to Programme for assurance	Fri 06/10/23	Thu 02/11/23				Date change because baseline date incorrectly assigned
T3-DB-0025	PP	Date Change	All UMSO test scenarios' submitted to Programme for assurance	Fri 06/10/23	Thu 02/11/23				Date change because baseline date incorrectly assigned
T3-DB-0013	PP	Remove	PP PIT Completion Report (excl. Migration/Reverse Migration) submitted to Programme for assurance CIT Interval 1	Mon 09/10/23	Mon 09/10/23				Remove as has been broken down and captured in DIP and Elexon section
T3-DB-0177	SI Test	Date Change	All UMSO Test Approach & Plans MHHS Review Completed	Fri 13/10/23	Thu 09/11/23				Date change because baseline date incorrectly assigned
T3-DB-0015	PP	Remove	PP PIT Completion Report (excl. Migration/Reverse Migration) submitted to Programme for assurance CIT Interval 2	Fri 20/10/23	Fri 20/10/23				Remove as equivalent milestone exists in Registrations Services (Interval 2) PIT section
T3-DB-0178	SI Test	Date Change	All UMSO RTTMs MHHS Review Completed	Fri 03/11/23	Thu 30/11/23				Date change because baseline date incorrectly assigned
T3-DB-0179	SI Test	Date Change	All UMSO Test scenarios' MHHS Review Completed	Fri 03/11/23	Thu 30/11/23				Date change because baseline date incorrectly assigned
T3-MI-0021	SI Migration	Date Change	Threshold volumes approved at TMAG	Wed 08/11/23	Wed 15/11/23				Date change because plan was to approve at extraordinary TMAG on 8/11, however regular TMAG taking place on 15/11 so deferred approval to this date
T3-QU-0066	BSC PAB & REC Manager	Date Change	Qualification Assessment Document Initial Draft (Functional)	Thu 30/11/23	Tue 16/04/24				Date change because dependencies on SIT F scenarios and cases
T3-TE-0028	SI Test	Date Change	SIT Non-Functional Testing Test scenarios approved	Fri 01/12/23	Wed 22/05/24				Date Change because the date needs to align with delivery of test approach and plan
T3-DB-0180	PP	Date Change	All UMSO PIT (CIT interval 6) Completion Reports submitted to Programme for assurance	Fri 08/12/23	Fri 05/01/24				Date change because baseline date incorrectly assigned

Key Milestones Change at 11/10/23 (2)

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

Milestone ID	Responsible	Change Type	Milestone Title	Baseline Date	Forecast Date	Previous RAG 4/10	Current RAG 11/10	Forecast RAG 18/10	Commentary
T3-TE-0102	PP	Date Change	PPs register PKI Officers and Request PKI Certificates Complete - Interval 6	Mon 11/12/23	Fri 08/12/23				Date change because baseline date incorrectly assigned
T3-DB-0181	SI Test	Date Change	All UMSO PIT (CIT interval 6) Completion Reports MHHS Review Completed	Fri 22/12/23	Fri 19/01/24				Date change because baseline date incorrectly assigned
T3-TE-0030	SI Test	Date Change	SIT Operational Testing Test scenarios approved	Wed 03/01/24	Wed 17/07/24				Date change to align with delivery of test approach and plan
T3-TE-0071	SI Test	Date Change	SIT Migration Testing Test Scenarios Approved	Wed 17/01/24	Wed 21/02/24				Date change because have moved dates to lag test A & P
T3-TE-0036	SI Test	Date Change	SIT Non-Functional Testing Test cases approved	Fri 01/03/24	Wed 19/06/24				Date change to align with delivery of test approach and plan
T3-TE-0037	SI Test	Date Change	SIT Operational Testing Test cases approved	Wed 03/04/24	Wed 21/08/24				Date change to align with delivery of test approach and plan
T3-TE-0025	SI Test	Date Change	SIT Migration Testing Test Cases Approved	Wed 17/04/24	Wed 20/03/24				Date change to align with delivery of test approach and plan
T3-DB-0157	PP	Name Change	SIT Non-Functional PIT IT Completion Report submitted to Programme for assurance	Fri 02/08/24	Fri 02/08/24				Name change to remove IT
T3-DB-0165	PP	Name Change	SIT Operational PIT IT Completion Report submitted to Programme for assurance	Fri 06/09/24	Fri 06/09/24				Name change to remove IT
T2-TE-0750	SI Test	Date Change	SIT Operational Testing Preparation Complete	Mon 10/03/25	Wed 25/09/24				Date change because baseline date incorrectly assigned

Milestone RAG definitions

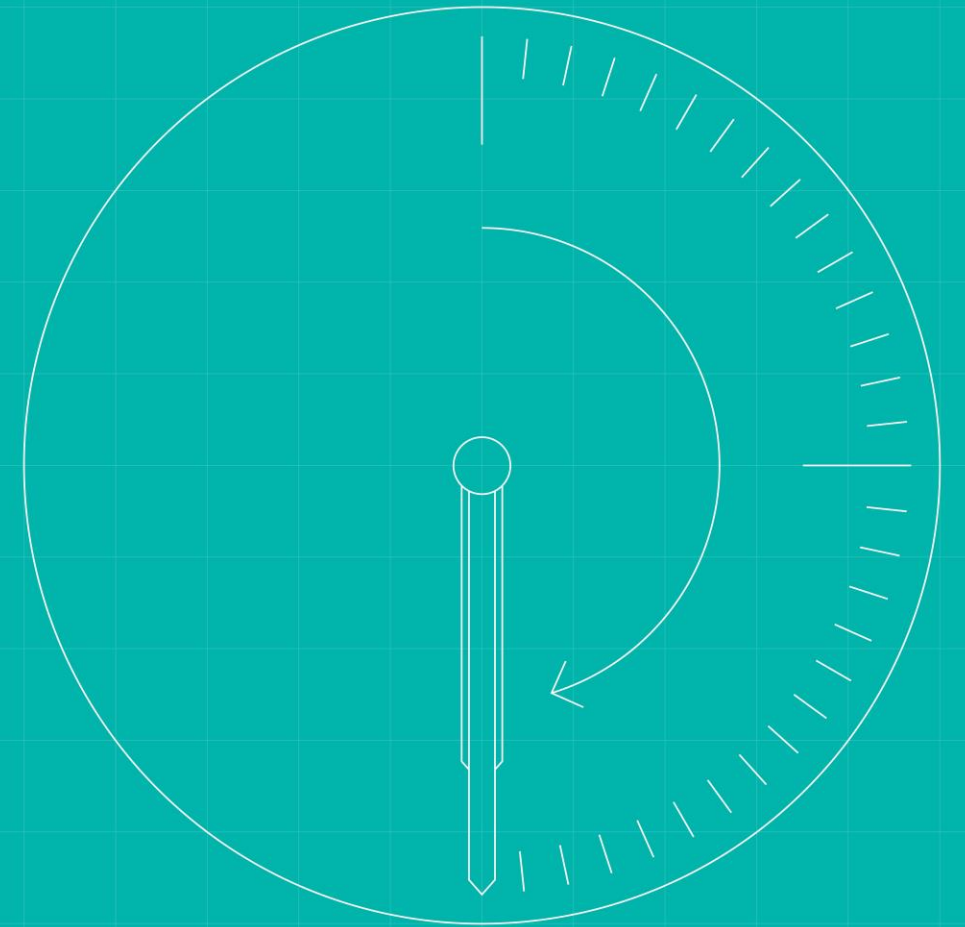
Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation
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Top Programme Risks related to TMAG

INFORMATION: Update on the top Programme risks related to TMAG

Programme (PMO & Workstream Leads)

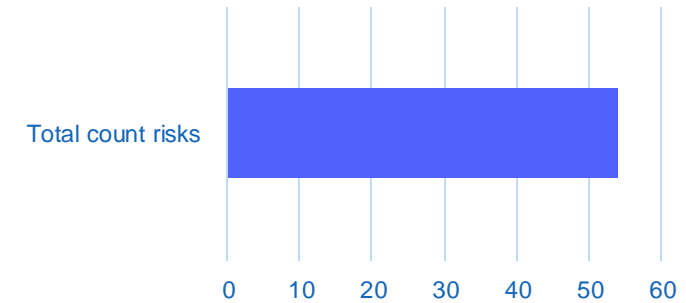
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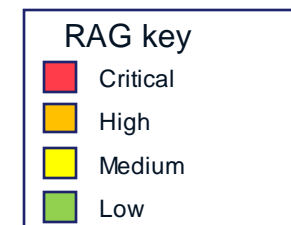
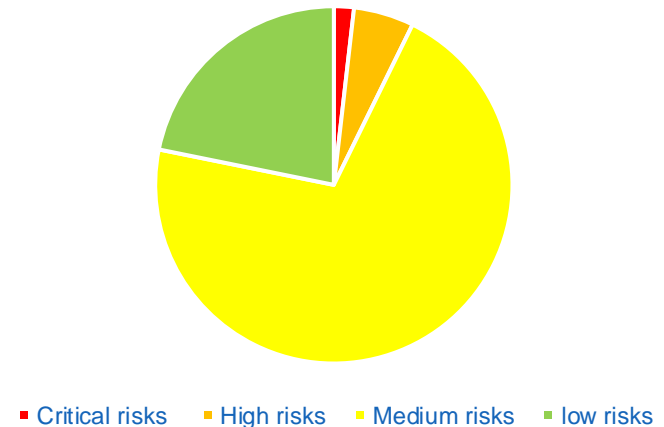
Top Programme Risks Related to TMAG

Risk/ Issue ID	Risk description	Risk impact	RAG	Mitigation
R603	There is a risk that appropriate Code Body resource and the time available are not sufficient to support the planning and implementation of their Programme activities (non-SIT LDSO and wider-Qualification activities)	This may affect non-SIT LDSO testing and Qualification timelines	Critical	1. Code bodies to confirm their capability development plans to support testing and subsequent enduring operational phases
R272	There is a risk that Core Capability Providers may be late arriving into their CIT Interval	This would result in a delay to CIT activities and may impact subsequent SIT timelines	High	1. Design, Delivery, Test assurance 2. FTIG (and PSG) monitoring of participants' delivery progress and managing of obstacles to readiness 3. Staggered PIT approach 4. Account Management meetings 5. CIT readiness criteria spreadsheet signed off by TMAG and will be monitored weekly by Test team
R532	There is a risk that SIT participants will need to execute additional Qualification Testing in order to qualify	If there is additional testing required for Qualification over and above SIT, then participants will need to undertake additional Qualification testing (which undermines a key programme assumption and would require replanning).	High	1. MHHSP in discussion with Code Bodies to confirm their requirements in order to build these into SIT so that any testing is done in SIT and no testing is outstanding, as per Assumption A165
R653	There is a risk that the Code Bodies will not be able to define the Qualification test approach & requirements for each Market Role for non-SIT LDSO testing in a timely manner. This will place at risk the ability to define the environment requirements to support non-SIT LDSO Qualification Testing (in time for approval at the November TMAG).	Without Code Body definition, it will not be possible to define the test environment architecture required to support the testing.	High	1. Collaborative work between the Programme and Code Bodies to progress Qualification definition. 2. Code Bodies define the approach to testing each of the market roles for LDSO Qualification testing such that it is possible to determine the test environment requirement
R119	There is a risk that there may be a drive by participants to constrain testing by providing too few environments in SIT	This may result in poor test coverage and defects discovered in live operation	Medium	1. Environment approach and plan published specifying instructions for PPs - approved in February TMAG version 2.2 - this specifies environment approach parties to take and number of environments, but this cannot be enforced. Approved at the August TMAG to uplift the document to v2.5. 2. Monitoring via Monthly Environments Working Group (EWG) (standing item on concerns to raise them) and bilaterals. Not seeing any issues with environments. 3. Monitoring each test phase during SIT stages - decreasing risk month by month. EOY checkpoint to see where we're at with SIT Non-functional approaches and plans.

TMAG risk item count



TMAG related risk rating



Summary and Next Steps

INFORMATION: Summarise actions/decisions and look ahead to the next TMAG

Chair and Secretariat

5 mins

Summary and next steps

Next steps:

1. Confirm actions and decisions from meeting
2. Date of next TMAG: 15 November 2023
3. Date of next extraordinary TMAG: 30 October 2023

TMAG Agenda Roadmap – a rolling view of upcoming TMAG agenda items:

Meeting dates	30-Oct	15-Nov
Relevant milestones or activities	<ul style="list-style-type: none"> • Approval of milestone T3-TE-0060 (CIT Interval 1 start) 	<ul style="list-style-type: none"> • Migration Thresholds and Migration Profile • Environments Approach and Plan (SIT Functional and Non-SIT LDSO)
Agenda items	<ul style="list-style-type: none"> • Approval of milestone T3-TE-0060 (CIT Interval 1 start) ahead of a decision being made an extraordinary PSG in the afternoon of 30 October 2023 on Programme milestone T1-TE-1000 (M9 SIT Start) 	<ul style="list-style-type: none"> • Environments Approach and Plan (SIT Functional and Non-SIT LDSO) • SIT CIT Readiness Tracker
Standing items	<ul style="list-style-type: none"> • Minutes and actions review • Programme updates • Working group report • Next steps and agenda roadmap 	<ul style="list-style-type: none"> • Minutes and actions review • Programme updates • Working group report • Next steps and agenda roadmap

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

Appendix

- Attachment 1 – MHHS-DEL1588 - Data Cleanse Working Group (DCWG) Terms of Reference (Level 4) v0.1