



MHHS  
PROGRAMME

Industry-led, Exelon facilitated

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# Testing and Migration Advisory Group (TMAG) #28 – 20 November 2023

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Version 1.0

MHHS-DEL1851

## 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	Governance	Orchestration of SIT CIT Interval milestone decision-making	Information	Programme (Chris Welby)	14:10-14:20 10 mins	10	
6	TMAG Restructure	Provide an update and request approval of the TMAG restructure	Information	Programme (Chris Welby)	14:20-14:35 15 mins	12	
7	Migration Testing	Migration Thresholds and Migration Profile Document	Approval of the Migration Thresholds and Migration Profile document	Decision	Programme (John Wiggins)	14:35-14:45 10 mins	18
8		T2 Readiness Assessment for CIT Interval 2	Approval of the T2 Readiness Assessment for CIT Interval 2	Decision	Programme (Dominic Mooney)	14:45-14:55 10 mins	24
9		Environments Approach and Plan (SIT Functional)	Approval of the Environments Approach and Plan (SIT Functional) v2.8	Decision	Programme (Simon Berry)	14:55-15:05 10 mins	26
10		SIT CIT Readiness Tracker	Verbal update on SIT tracker items	Information	Programme (Dominic Mooney)	15:05-15:15 10 mins	29
11		Testing Update	Verbal update on progress in Testing	Information	Programme (Lee Cox)	15:15-15:20 5 mins	30
12		Qualification Update	Update on discussions with code delivery bodies on qualification and activity at the QWG	Information	Elexon & REC Performance Assurance	15:20-15:25 5 mins	31

## Agenda (2/2)

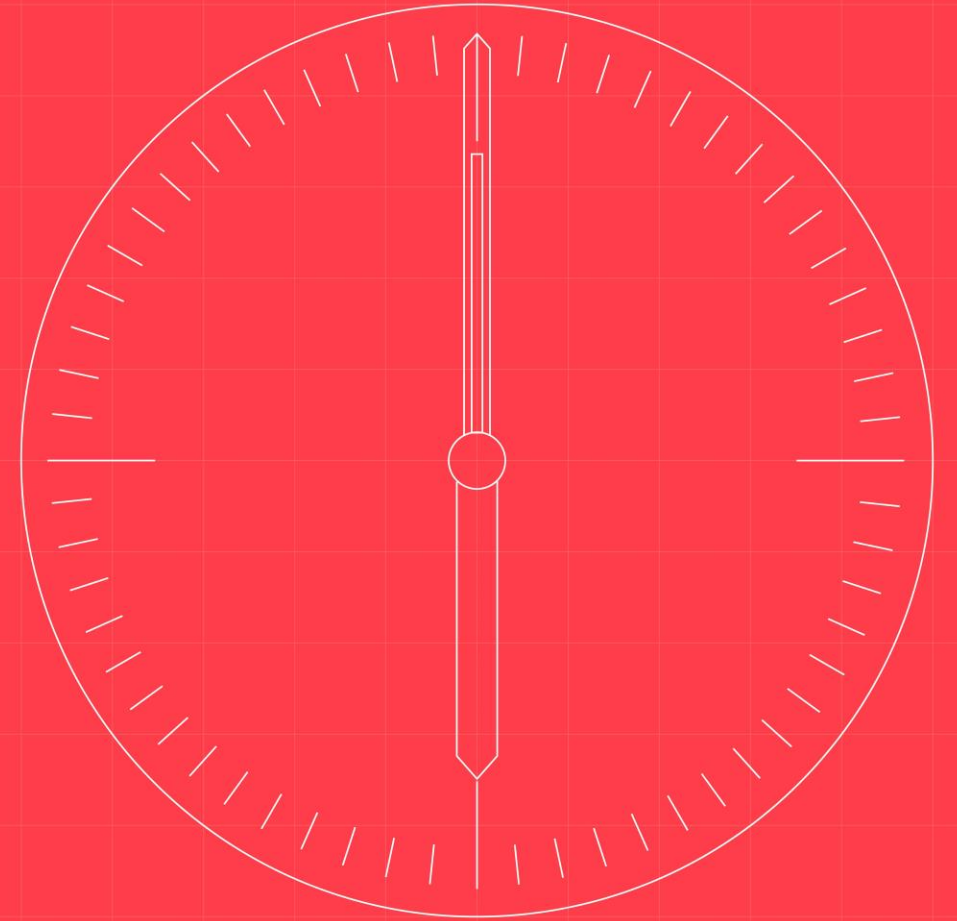
#	Item	Objective	Type	Lead	Time	Page
13	<a href="#">IPA Test Assurance Update</a>	IPA Test Assurance Period 2 Update	Information	IPA	15:25-15:30 5 mins	33
14	<a href="#">3 Month Milestone Look Ahead &amp; Milestone Changes</a>	Update on upcoming Programme milestones related to TMAG and milestone changes coming for approval	Information / Decision	Programme (PMO & Workstream leads)	15:30-15:35 5 mins	36
15	<a href="#">Top Programme Risks related to TMAG</a>	Update on the top Programme risks related to TMAG	Information	Programme (PMO & Workstream Leads)	15:35-15:45 10 mins	47
16	<a href="#">Summary and Next Steps</a>		Information	Chair and Secretariat	15:45-15:50 5 mins	49
17	<a href="#">Appendix</a>	Attachment 1 – MHHS-DEL1648 - Migration Thresholds Document v0.4 Attachment 2 – MHHS-DEL1648 – Migration Threshold Document (Red-Lined) v0.4 Attachment 3 – MHHS-DEL618 - Environments Approach and Plan (SIT Functional) (Red-Lined) v2.8 Attachment 4 - MHHS-DEL618 - Environments Approach and Plan (SIT Functional) – updates following PP review v2.8 Attachment 5 – MHHS-DEL618 – Environments Approach and Plan (SIT Functional) – update following EES amendment v2.8				

# 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 23 October TMAG and 30 October 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)

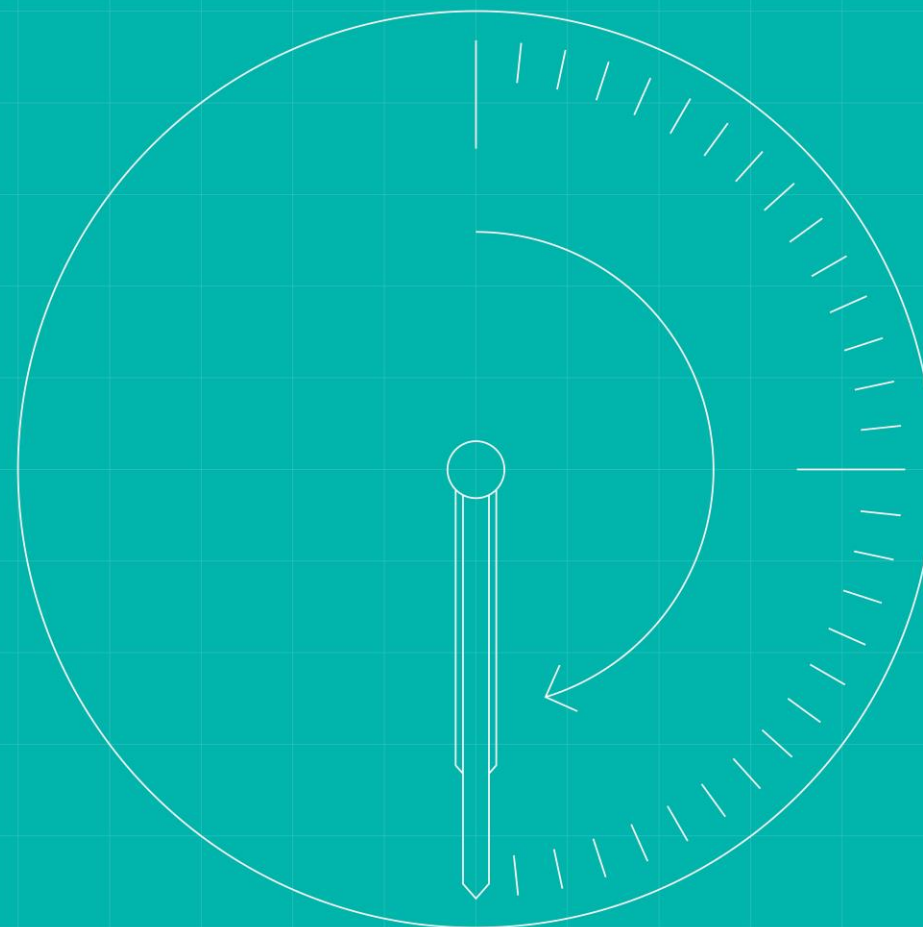
Ref	Date	Action	Owner	Due	Status	Latest Update
TMAG22-01	16/08/23	Programme to update TMAG members on the status around the remove of role seniority criteria in the Code of Connection document.	Programme (Adrian Page)	20/09/23	Open	At DAG, the SRO approved minor updates to the Interface Code of Connections (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.
TMAG26-01	23/10/23	Programme to share the cut off dates for when Programme Participants can respond to the SIT Functional Test Scenarios & Test Cases.	Programme (Kevin Davis)	15/11/23	Open	Cut off dates have been presented at SITWG 09 November. Verbal update provided during the meeting.
TMAG26-02	23/10/23	Programme to raise a risk around the potential that some major release changes could lead to participants being required to do regression testing.	Programme (Lee Cox)	15/11/23	Open	Update to be shared during meeting.

# 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 Extraordinary PSG 30 October 2023**

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

PSG papers available [here](#).

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

**Update from TMAG 20 September 2023**

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

TMAG papers available [here](#)

**Design Advisory Group (DAG)**

**Updates from DAG 11 October 2023**

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

DAG papers available [here](#)

**Cross Code Advisory Group (CCAG)**

**Update from CCAG 25 October 2023**

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

**M9 Approval:**

- Thursday 02

**Participant Checklist:**

**CR032: Change to Interface MHHS-IF-165 P0210 Transmission Use of System (TUoS) Reporting:** [CR032](#) has been issued for Impact Assessment. Responses are due by **17:00 on Monday 30 October 2023**.

**Programme Participant Information Request – Coordinated Universal Time (UTC) vs. Clock Time:** Responses to this PPIR are due by **17:00 on Monday 30 October 2023**.

**Interim Release 5.1 Design Artefacts:** The Programme has published a new Interim Release 5.1 which incorporates a number of changes to address Swagger and DES138 Interface Catalogue alignments. Clean versions of the Artefacts and Release Note are available on the [Baselined Interim Release 5 & 5.1 Design Artefacts page of the MHHS website](#). Red-lined versions of these Artefacts are also published on the [Red-lined Design Artefacts Interim Release 5 and 5.1 page of the MHHS website](#). These updates form part of the Interim Release 5 Design in readiness for Systems Integration Testing (SIT) Functional testing in March 2024. If you have any questions, please email [Design@mhhsprogramme.co.uk](mailto:Design@mhhsprogramme.co.uk)

**Interim Release 2.1 Design Artefacts:** The Programme has published a new Interim Release 2.1. Interim Release 2.1 constitutes updated versions of Swagger and the DES138 Interface Catalogue which have been uplifted to address potential blocking issues for Component Integration Testing (CIT). Full details of the issues addressed are covered in the accompanying Release Note. Clean versions of the Artefacts and Release Note are available on the [Baselined Interim Release 2 and 2.1 Design Artefacts page of the MHHS website](#). Red-lined versions of these Artefacts are also published on the [Red-lined Design Artefacts: Interim Release 2 and 2.1 page of the MHHS website](#).

**DIP Simulator Hotfix Update:** The [Production environment](#) of the DIP Simulator has now been fully updated to reflect the changes in IR2.1. For more information on the details of the changes included in IR2.1, please visit the [IR2 and IR5 news article on the MHHS website](#).

**Upcoming Governance Meetings:**

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

**Upcoming Events:**

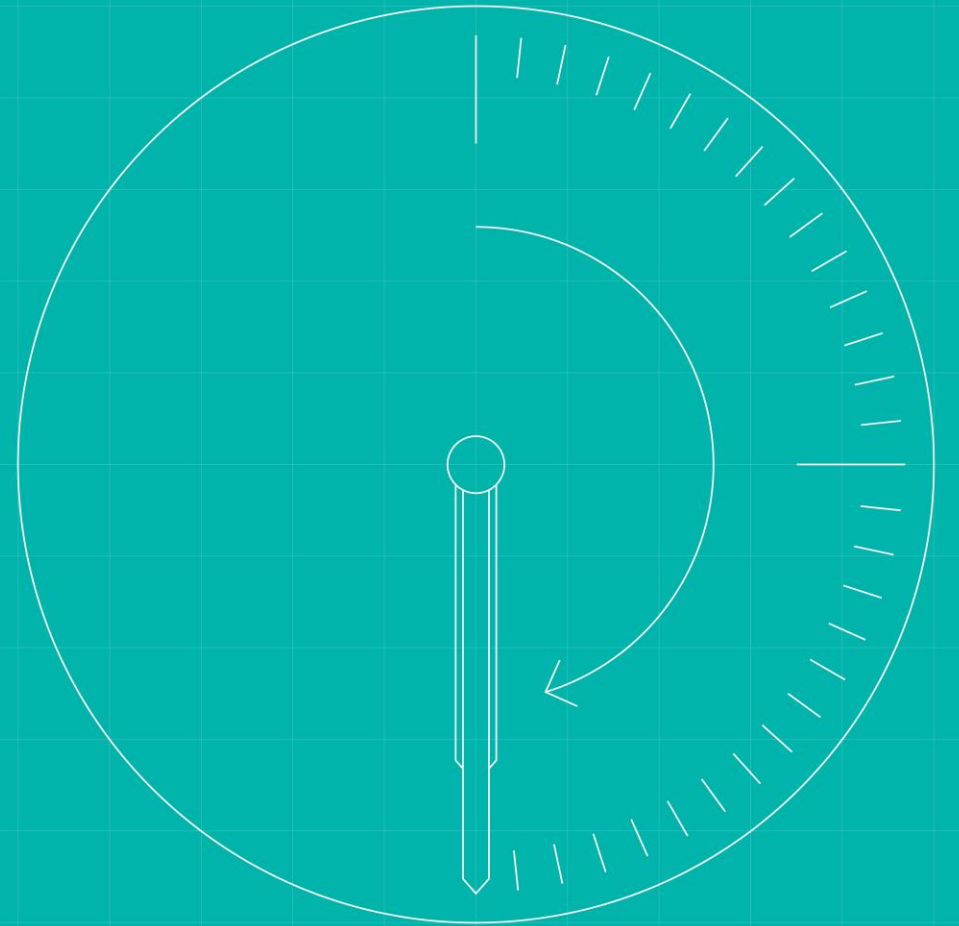
**SIT Functional Test Scenarios & Cases Deep Dives:** As indicated in the SITWG, the Testing team have scheduled a series of five SIT Functional Test Scenarios and Cases Deep Dive sessions that are taking place between **10 October and 7 November 2023**. The session recordings and Q&As are available on the [SITWG page of the Collaboration Base](#).

# 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*





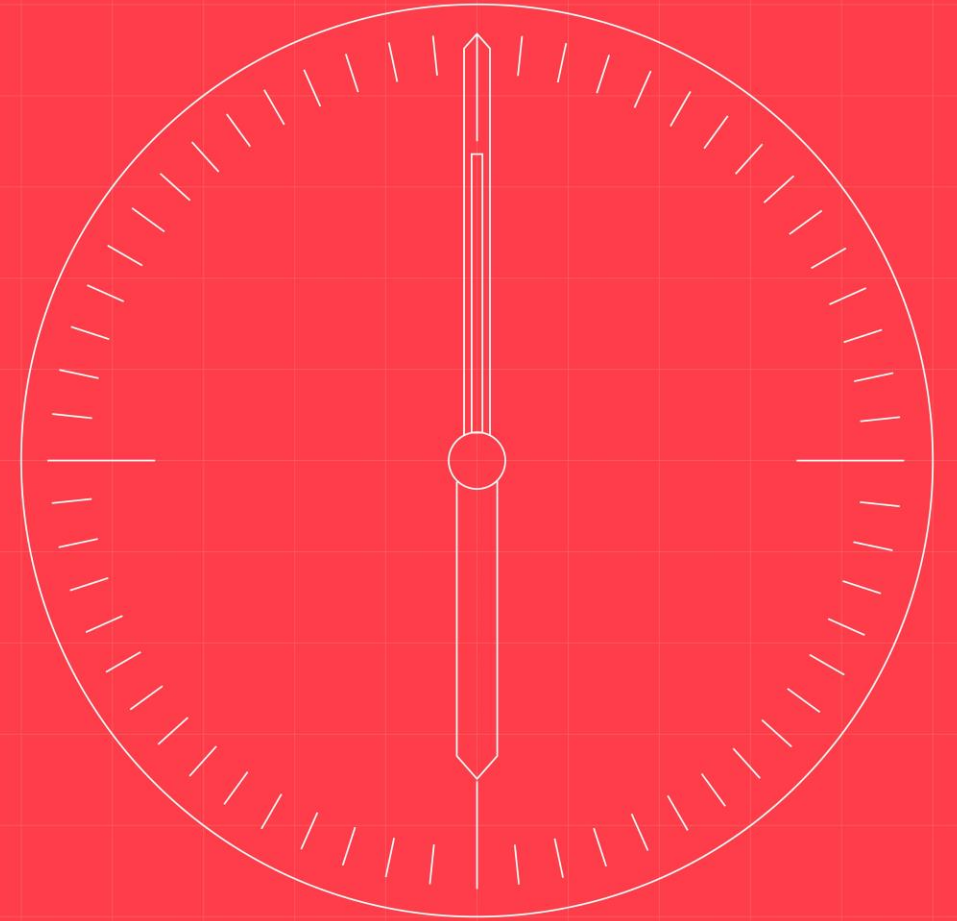
	Data Working Group (DWG)	Migration Working Group (MWG)	Environments and Configuration Management Working Group (EWG)	Qualification and E2E Sandbox Working Group (QWG)	Systems Integration Test Working Group (SITWG)	Non-Functional Testing Working Group (NFTWG)
<b>Upcoming deliverables</b>	<ul style="list-style-type: none"> <li>• <b>29th September:</b> Test Data Loaded - CIT Interval 1</li> <li>• <b>20th October:</b> Test Data Loaded - CIT Interval 2</li> <li>• <b>3rd November:</b> Test Data Loaded - CIT Interval 3</li> </ul>	<ul style="list-style-type: none"> <li>• Migration Thresholds and Migration Profile (November TMAG)</li> </ul>	<ul style="list-style-type: none"> <li>• Environments Approach and Plan (SIT Functional and Non-SIT LDSO) (November TMAG)</li> </ul>	<ul style="list-style-type: none"> <li>• SIT-CIT Approach &amp; Plan</li> <li>• SIT-Functional Approach &amp; Plan</li> </ul>	<ul style="list-style-type: none"> <li>• SIT Functional Test Scenarios (October TMAG)</li> <li>• SIT Functional Test Cases (October TMAG)</li> <li>• End-to-end Testing Integration Strategy (November TMAG)</li> </ul>	<ul style="list-style-type: none"> <li>• TBC</li> </ul>
<b>Next meeting's agenda items</b>	02 November 2023 <ul style="list-style-type: none"> <li>• Data Schedule Update</li> <li>• Update on sFTP onboarding</li> <li>• SIT Migration Test Data Approach and Plan</li> <li>• CIT Data Allocation Status</li> </ul>	09 November 2023 <ul style="list-style-type: none"> <li>• M15 Criteria</li> <li>• Migration Thresholds Document Consultation</li> </ul>	07 November 2023 <ul style="list-style-type: none"> <li>• DCC Support Materials</li> <li>• DCC DSP (Smart) PKI Certificate Onboarding</li> <li>• DCC CSS &amp; DSP PKI Certificate Onboarding</li> <li>• CIT Connectivity Proving Reminder</li> <li>• Sign-off of the Env Approach &amp; Plan</li> </ul>	14 November 2023 <ul style="list-style-type: none"> <li>• TBC</li> </ul>	02 November 2023 <ul style="list-style-type: none"> <li>• CIT Test Cases</li> <li>• SIT CIT Readiness Tracker</li> </ul>	21 November 2023 <ul style="list-style-type: none"> <li>• TBC</li> </ul>
<b>Agenda items from last meeting</b>	05 October 2023 <ul style="list-style-type: none"> <li>• Data Schedule Update</li> <li>• Update on ISD</li> <li>• Update on sFTP Onboarding</li> <li>• Test Data Augmentation</li> <li>• CIT Data Allocation Status</li> <li>• Update on BSC Modification</li> </ul>	12 October 2023 <ul style="list-style-type: none"> <li>• Migration Thresholds and Migration Profile</li> <li>• Migration incentives and export meters</li> </ul>	03 October 2023 <ul style="list-style-type: none"> <li>• CIT Connectivity Proving</li> <li>• DIP Onboarding Timeline</li> <li>• DCC PKI Process</li> <li>• DTN Flows to Connect Market</li> </ul>	18 October 2023 <ul style="list-style-type: none"> <li>• LDSO Testing</li> </ul>	06 October 2023 <ul style="list-style-type: none"> <li>• CIT Test Cases</li> <li>• Summary of Interval 1 Readiness &amp; SIT CIT Readiness Tracker</li> <li>• SIT Functional Scenarios &amp; Test Cases Delivery Plan</li> <li>• Programme's Planned Major Releases</li> </ul>	17 October 2023 <ul style="list-style-type: none"> <li>• Categorisation of NFRs</li> <li>• NFT PIT Guidance</li> <li>• PIT vs. SIT scope</li> <li>• NFT Volumetrics</li> </ul>
<b>TMAG escalations</b>	None	None	None	None	None	None

# Governance

**INFORMATION:** Orchestration of SIT CIT Interval milestone decision-making

Programme (Chris Welby)

*10 mins*



## Governance

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### **SIT Component Integration Testing (CIT):**

- 6 intervals
- Each interval with a (Tier 2) 'preparation complete' milestone
- Each interval with a (Tier 3) 'start' milestone
- FTIG is a non-governance group and is asked to make a recommendation to TMAG to govern each milestone decision

### **FTIG approach:**

- FTIG assesses status reports, existing blockers and any ad hoc inputs from PPs at the meeting
- FTIG is asked to make an explicit recommendation (to TMAG) to approve (or not) each milestone
- FTIG is explicitly polled on 'start' milestones, to provide clear evidence to support

### **Programme's preferred approach for TMAG:**

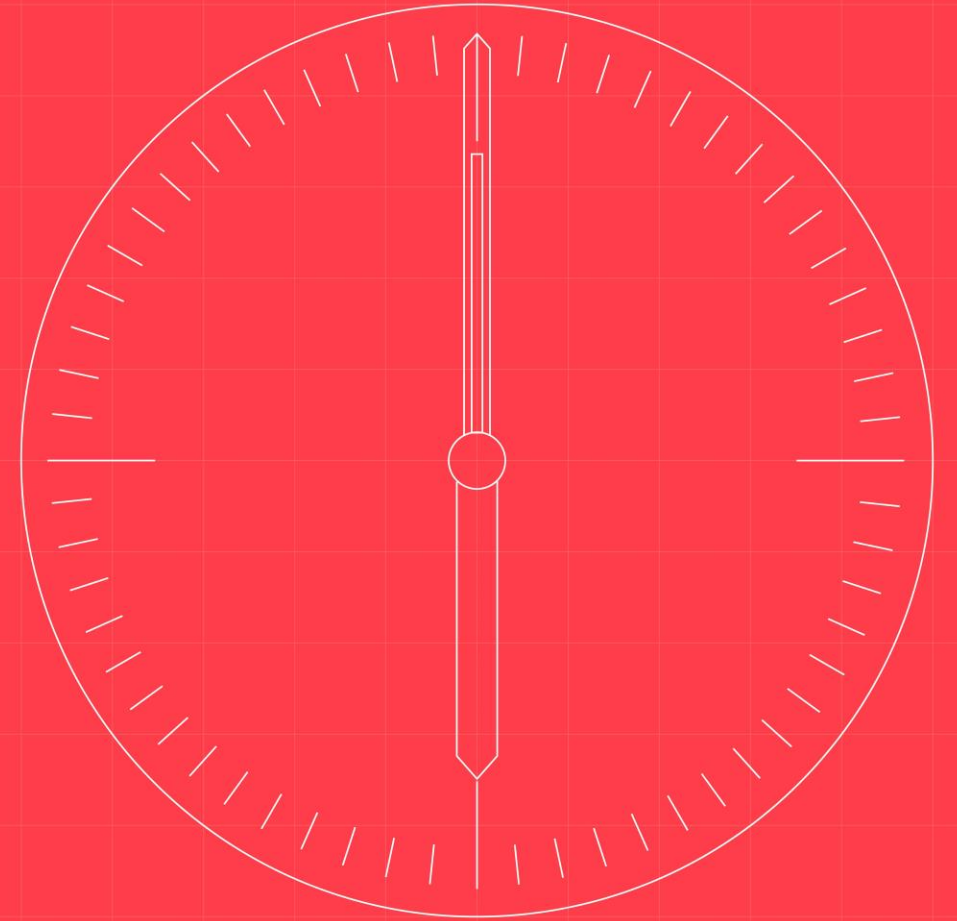
- At the next TMAG (20-Nov-23) they will be asked how they wish to continue to oversee FTIG and be engaged in SIT CIT milestone decision-making
- Programme's preferred approach is that:
  - For Tier 2 milestones TMAG is convened and decides based on FTIG's recommendation (as is the case now)
  - For Tier 3 milestones TMAG is informed of FTIG's recommendation and thereby is provided with opportunity to raise any objections

# TMAG Restructure

**INFORMATION:** Provide an update and request approval of the TMAG restructure

Programme (Chris Welby)

*15 mins*



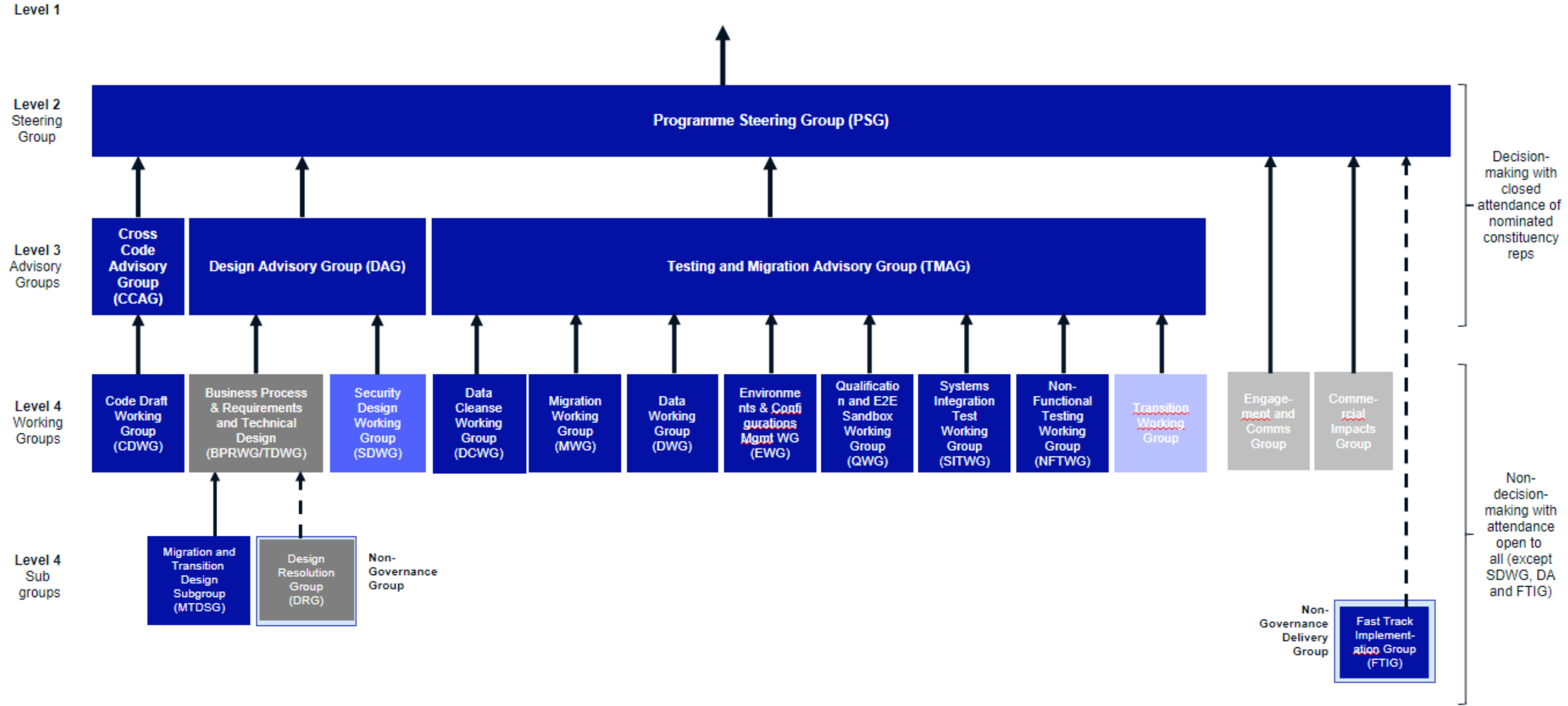
- Currently TMAG covers Testing, Migration, Qualification.
- These are three substantial pieces of work between now and M10
- TMAG currently has 8 Working groups to oversee (see next Slide)

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

PSG has agreed the proposal in principle as they would be the decision making group on this.

# MHHS Governance and Decision-Making Structure

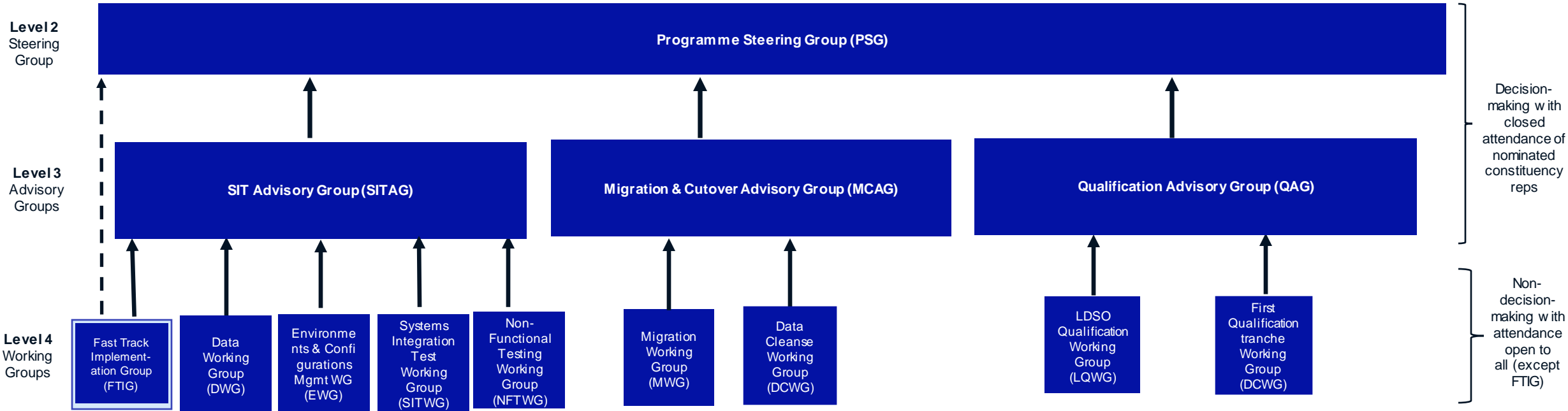
Ofgem as Sponsor



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

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

# MHHS Governance TMAG Restructure





1. Does TMAG agree with the proposed change?
2. Does TMAG have any views on constituency make-up of the groups?
3. Would parties be able to provide representation for each group?

### Next Steps

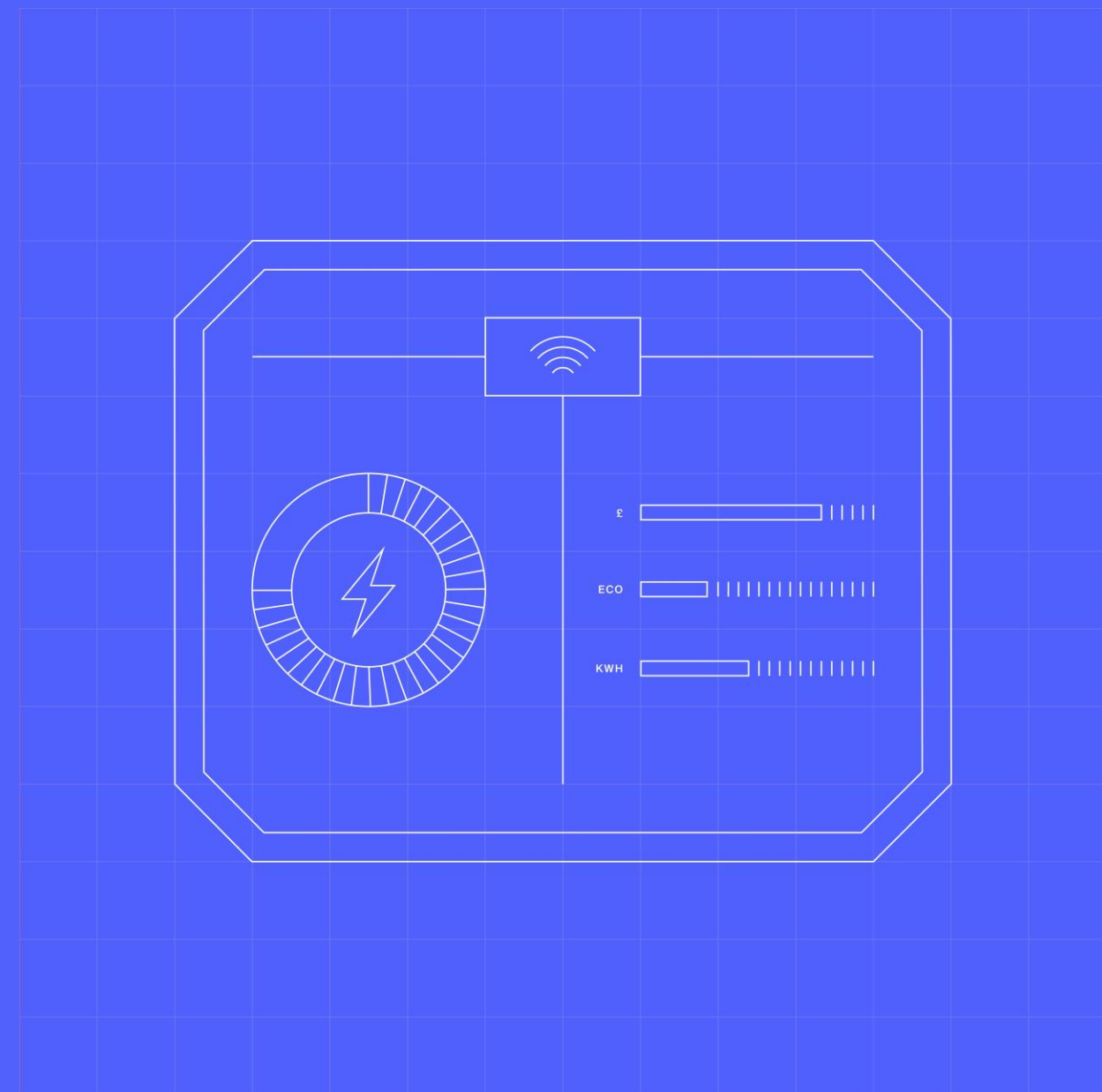
1. Agree ToR for each Group
2. Raise a Change Request as a change to the Governance Framework.
3. Review CR Impact assessments with PSG and get formal approval.
4. Implement and recruit Representatives.

# Migration Thresholds and Migration Profile Document

**DECISION:** Approval of the Migration Thresholds and Migration Profile Document v0.4

Programme (John Wiggins)

10 mins



## Overview of the Migration Thresholds Document

- Throughout the Migration period, a significant number of messages will be sent between industry participants to migrate MPANs from legacy Arrangements to MHHS Arrangements.
- Within this document, we set out a 'Daily Planned Migration Threshold' and an 'Upper Migration Threshold' of 200,000 and 300,000 MPANs respectively. The former is the maximum limit of daily migrations across the UK market under standard operations, whilst the latter is an increased maximum limit that will apply only under exceptional circumstances.

### Key Sections

#1

Changes to the Migration Approach following the approval of CR022

#2

Migration Planning Assumptions

#3

Migration Thresholds

#4

Migration Thresholds by LDSO

#5

Migration Messages

#6

Appendix 1: Modelling

## Summary of Feedback

Consultation on the Migration Thresholds Document lasted 2 weeks from 27 September – 11 October 2023. In that time, we received *139 comments* from *19 organisations*.

**#1**

A number of Suppliers highlighted that they wanted to understand more about the specific thresholds for each Supplier.

**#2**

LDSOs queried when messages will be sent throughout the day.

**#3**

St Clements will not have developed the relevant MPRS code until 2024 however, they will proactively test the thresholds in January using BAU code and share the results.

**#4**

Suppliers expect to take a variety of approaches to migrating MPANs i.e., some using every working day, some using 4 out of 5, some varying throughout the period.

**#5**

The ramp-up should be based on specific criteria being met rather than a specific time-frame.

**#6**

The 60-minute SLA presents a challenge to LDSOs with limited benefits throughout the migration period.

**#7**

Timing of messages throughout the day has an impact on the ability of LDSOs to support the proposed volumes.

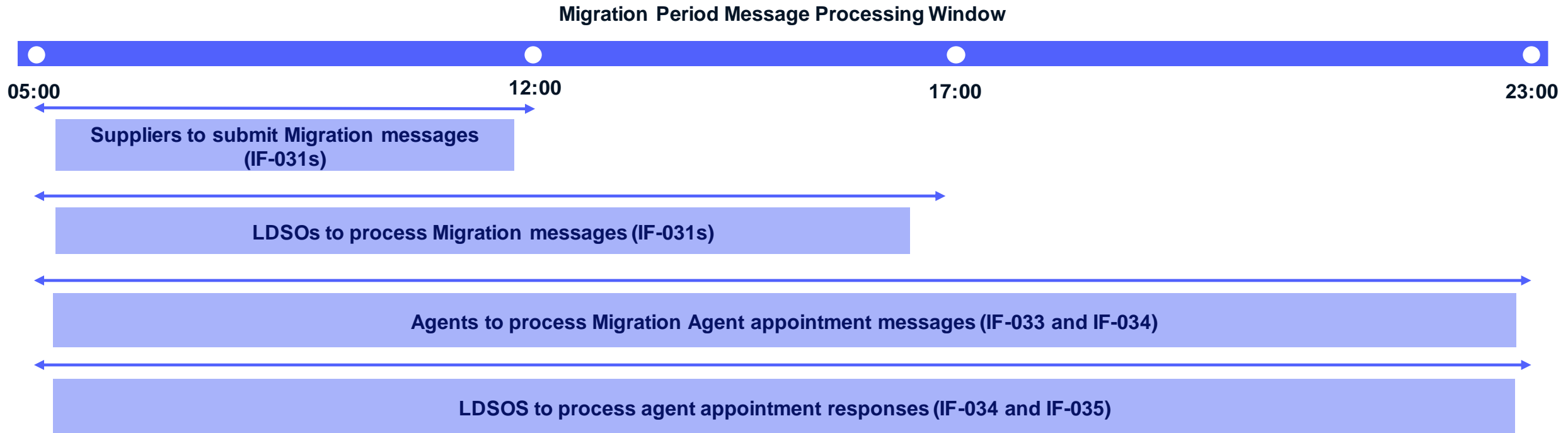
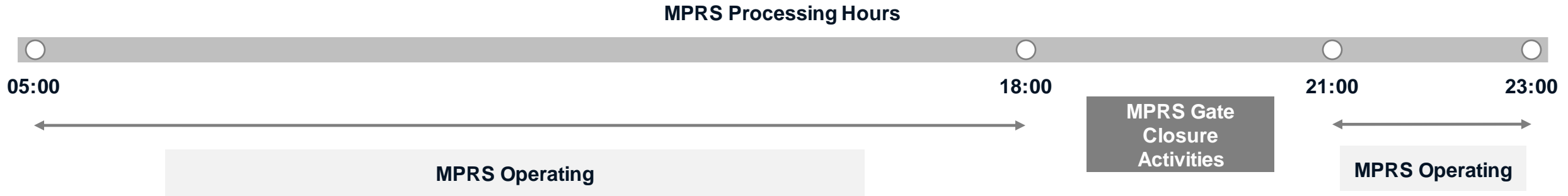
**#8**

LDSOs cannot confirm costs until performance has been proven by MPRS.

## 60 Minute SLA Relaxation for LDSOs

- At the October MWG and the Migration Thresholds Assurance meeting, a clear point of LDSO feedback on the Migration Thresholds Document was concern that the combined impact of the LDSO thresholds and the requirement for LDSOs to process messages within a 60 minute SLA would require significant investment in IT infrastructure to support.
- Following feedback sessions with Participants and further analysis, the Programme's recommendation is that the 60 minute SLA for LDSOs is replaced for CoA migration messages with a new set of conditions for each day of the Migration Period. These conditions are:
  - 1. All CoA migration initiation messages (IF-031's) must be sent by Suppliers between the hours of 05:00 and 12:00.**
  - 2. For all CoA migration IF-031 messages received between 05:00 and 12:00, LDSOs must send all resulting IF-032's and IF-033's by 17:00.**
- These conditions will provide LDSOs a minimum of 5 working hours to respond to messages. This will not overly limit the window within which Suppliers will be able to send messages and it will enable all migration messages necessary to be sent and actioned within day if required.
- Note, these processing windows and deadlines will apply to IF-031 CoA migration messages only. All other messages are considered part of BAU activities and will not be subject to these constraints.
- This solution was supported by Suppliers and Agents, however LDSOs still expressed concern despite this option representing a significant compromise by the Programme from the original 60 minute SLA requirement.

# Migration Message Windows



### Summary of Updates following Assurance Meeting

1. Updated the hours when Suppliers should be sending CoA migration initiation messages (IF-031's) to 05:00–12:00.
2. Other very minor updates around language and adding additional clarifications.

### Recommendation for Approval

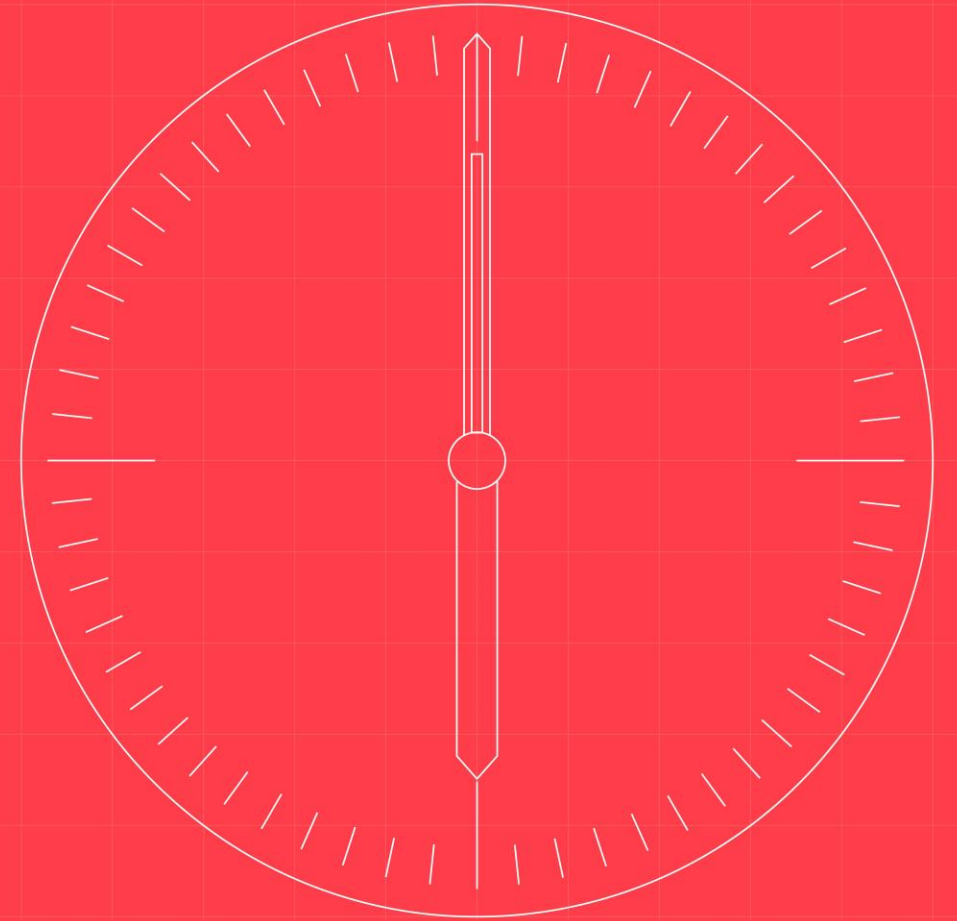
The Programme recommends that TMAG approves the Migration Thresholds Document v0.4.

# T2 Readiness Assessment for CIT Interval 2

**INFORMATION:** Approval of the T2 Readiness  
Assessment for CIT Interval 2

Programme (Dominic Mooney)

*10 mins*





## CIT Interval 2 Readiness – Work Off Plan

## Current Status:

- Daily calls to be set up from Mon 13<sup>th</sup> to monitor any outstanding work off items (see below)
- Entry criteria to formal CIT Execution will be evidence of 1 IF and 1 PUB message successfully sent and received – these will be executed under controlled conditions within the test programme process within ADO

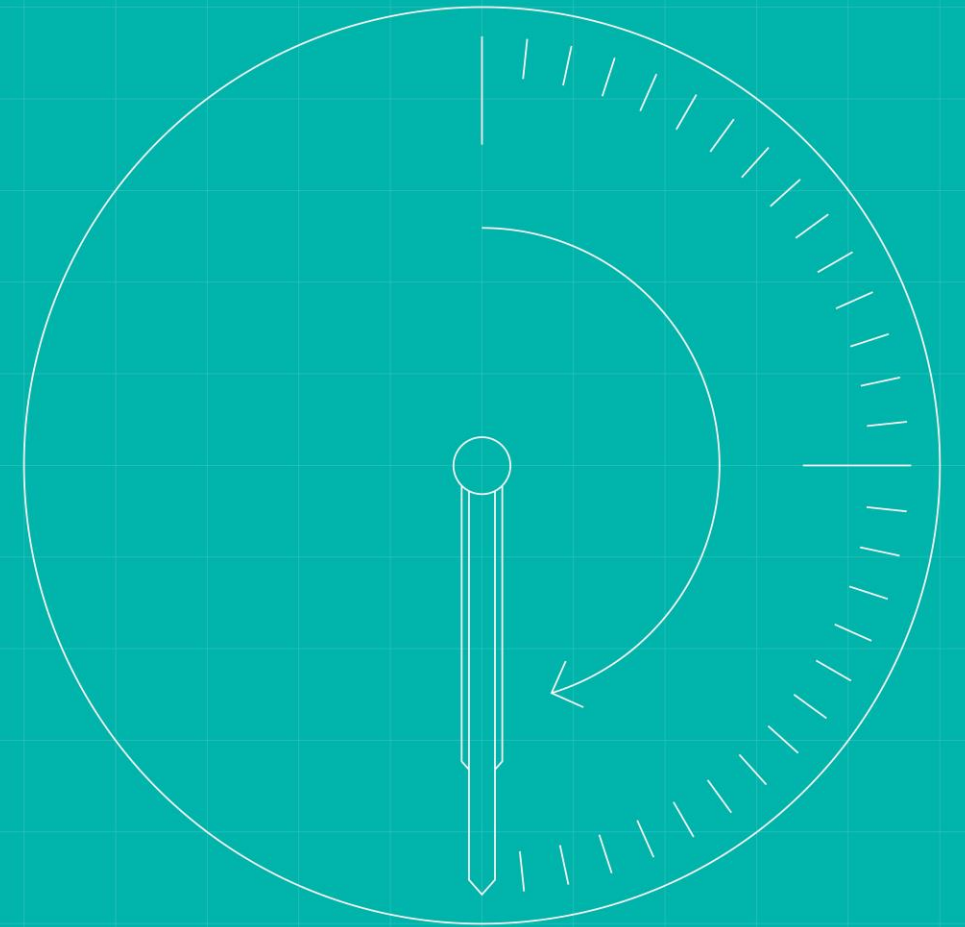
#	Task	Owner	Forecast Date	Dependency	Status	Notes
1	SSEN / Electralink - Onboarding	Electralink / Avanade	Fri 10-Nov		Complete	
2	BUUK / C&C – Onboarding	C&C / Avanade	Mon 13-Nov		In Progress	<b>Mon 13<sup>th</sup> Update</b> – C&C advise that End Point configuration is ongoing. Avanade reported completion status in FTIG - status TBC with C&C.
3	St Clements data load	St Clements / SI Data Team	Mon 13-Nov		In Progress	<b>Mon 13<sup>th</sup> Update</b> – latest data allocation has resulted in more load issues are being encountered and requested another amended allocation. Latest data allocation being loaded and expected to complete on Mon (AM).
4	DIP Interval 2 Data	Avanade	Fri 10-Nov		Complete	
5a	SSEN – St Clements / Electralink / DIP – IF-31 Sending Test	St Clements / Electralink / DIP / SI		1 - 4	In Progress	<b>Mon 13<sup>th</sup> Update</b> - Whilst data loading issues are ongoing St Clements will commence by initiating an IF-001 to smoke test.  <b>Fri 10<sup>th</sup> Update:</b> IF-002 sent to DIP and success response received.
5b	SSEN - St Clements / Electralink / DIP – PUB-36 Receiving Test	St Clements / Electralink / DIP / SI		1 - 4	Pending	
6a	BUUK – St Clements / C&C / DIP – IF-31 Sending Test	St Clements / C&C / DIP / SI		1 - 4	In Progress	<b>Mon 13<sup>th</sup> Update</b> – C&C have configured the IF-031 end point and so the smoke test has proceeded with SI Test generating the IF-031, however this has not been received by C&C and is being investigated (requested for defect to be raised).
6b	BUUK – St Clements / C&C / DIP – PUB-36 Receiving Test	St Clements / C&C / DIP / SI		1 - 4	Pending	

# Environments Approach and Plan (SIT Functional)

**DECISION:** Approval of the Environments Approach and Plan (SIT Functional) v2.8

Programme (Simon Berry)

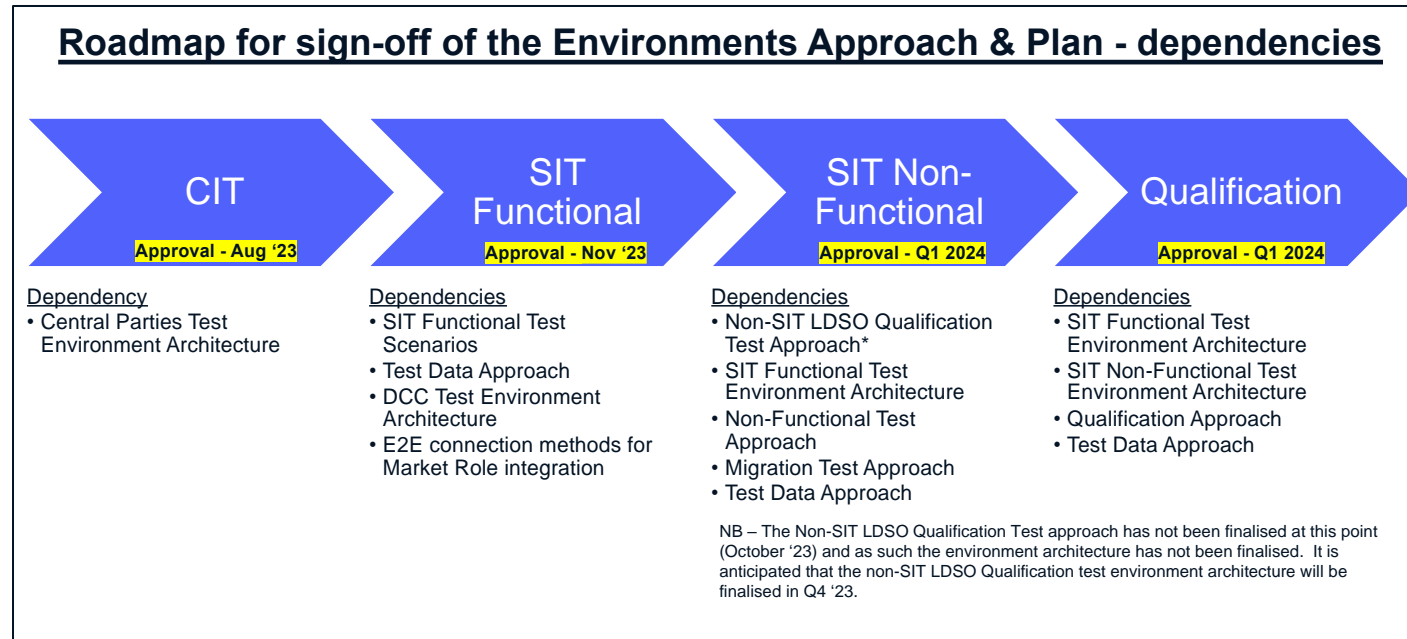
*10 mins*



## Environments Approach & Plan, v2.8

- Version 2.7 of the Environments Approach & Plan document was issued for review on 13<sup>th</sup> October, with the review period closing on 20<sup>th</sup> October.
- 66 comments were received. None of the comments were ‘show stoppers’. All comments have been responded to and where required updates made to the Environments Approach & Plan, uplifted to v2.8.
- This document covers the test environment architecture for SIT Functional Testing.
- Further iterations of the document will be made in order to include;
  - Non-SIT LDSO Qualification Testing
  - Non-Functional Testing (including; Migration, non-Functional and Operational testing)
  - Qualification and Sandbox
- One of the principles of the MHHS Programme is that we sign off documentation when we have the majority of content as ‘known’. Further iterations of documents are permissible and will follow the MHHS Programme review process.
- The document was discussed at EWG on 7<sup>th</sup> November and endorsed the approval of the document.
- A recommendation to TMAG for the approval of v2.8 of the Environments Approach & Plan is requested.

# Roadmap for sign-off of the Environments Approach & Plan - dependencies

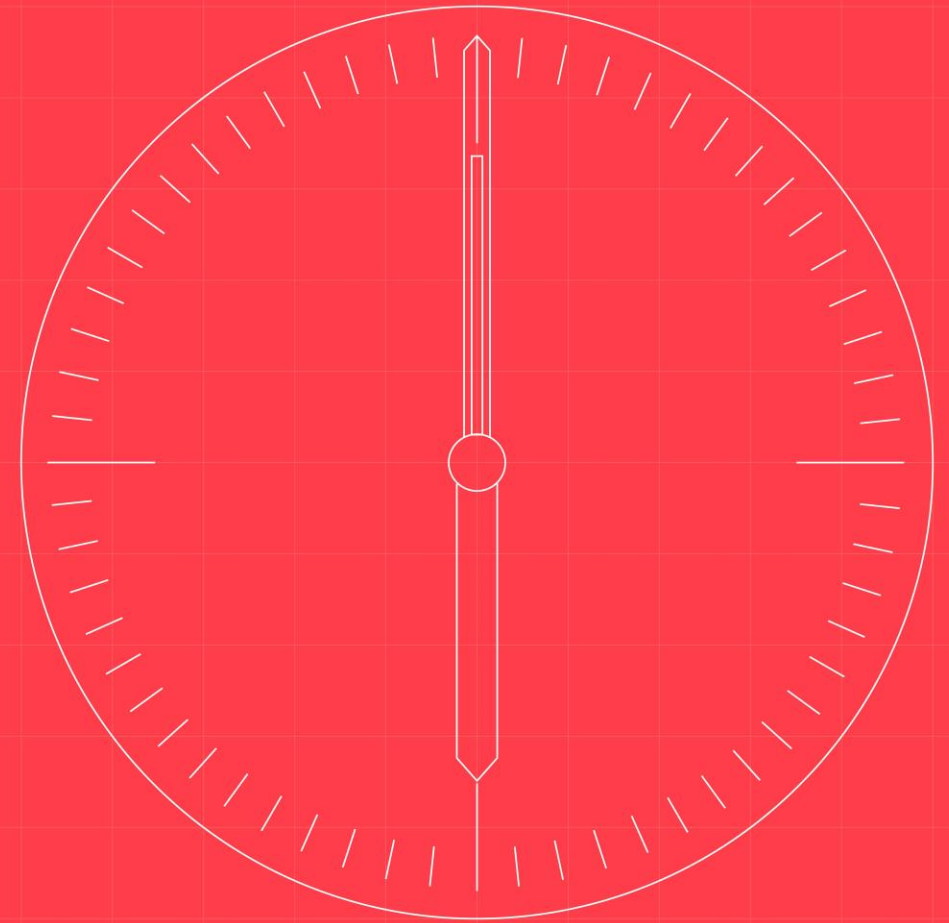


# SIT CIT Readiness Tracker

**INFORMATION:** Verbal update on SIT tracker items

Programme (Dominic Mooney)

*10 mins*

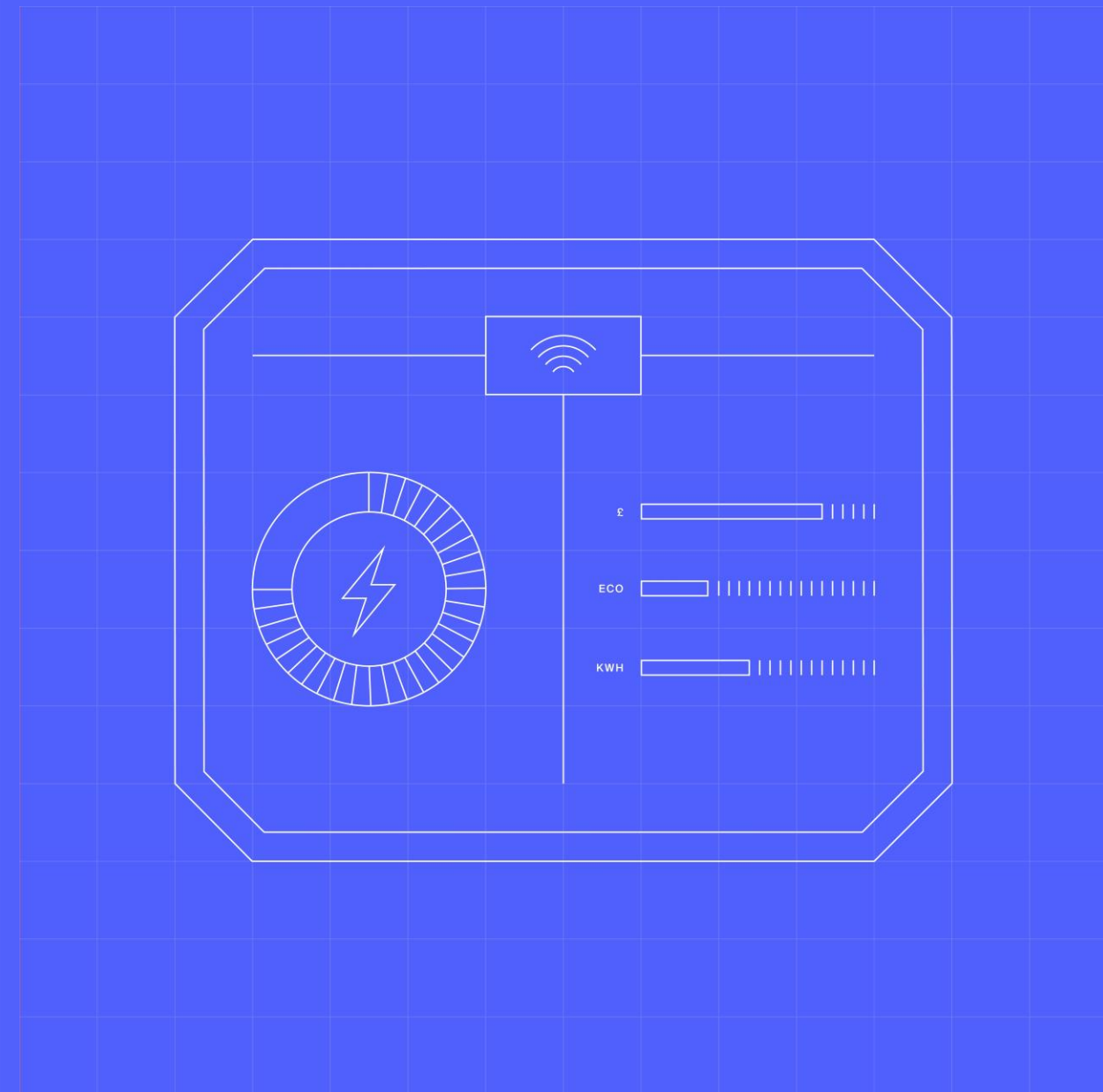


# Testing Update

**INFORMATION:** Verbal update on progress in Testing

Programme (Lee Cox)

*5 mins*

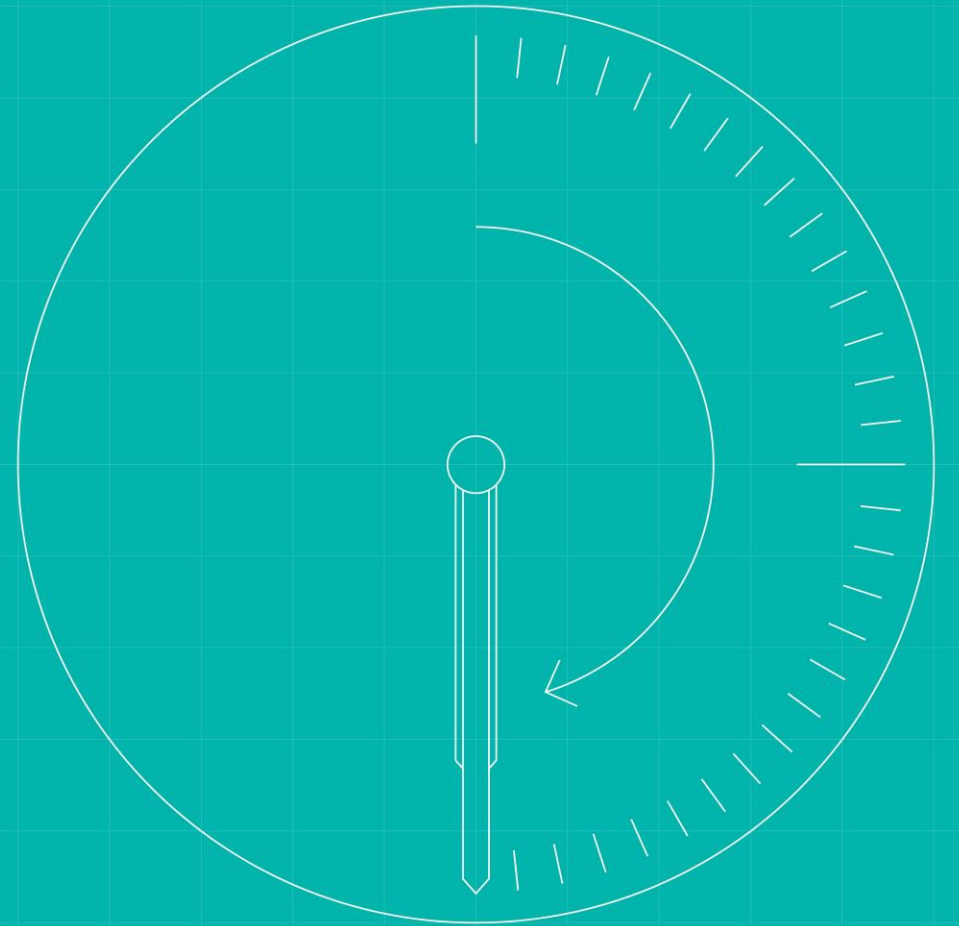


# Qualification Update

**INFORMATION:** Update on discussions with code delivery bodies on qualification and activity at the QWG

Elexon & REC Performance Assurance

*5 mins*



## This Month the QWG outlined:

- Programme progress at Testing and Migration working groups
- Sandbox Environment Requirements Update
- LDSO Qualification Testing Approach
- Legacy Supplier Agent Assurance & Processes

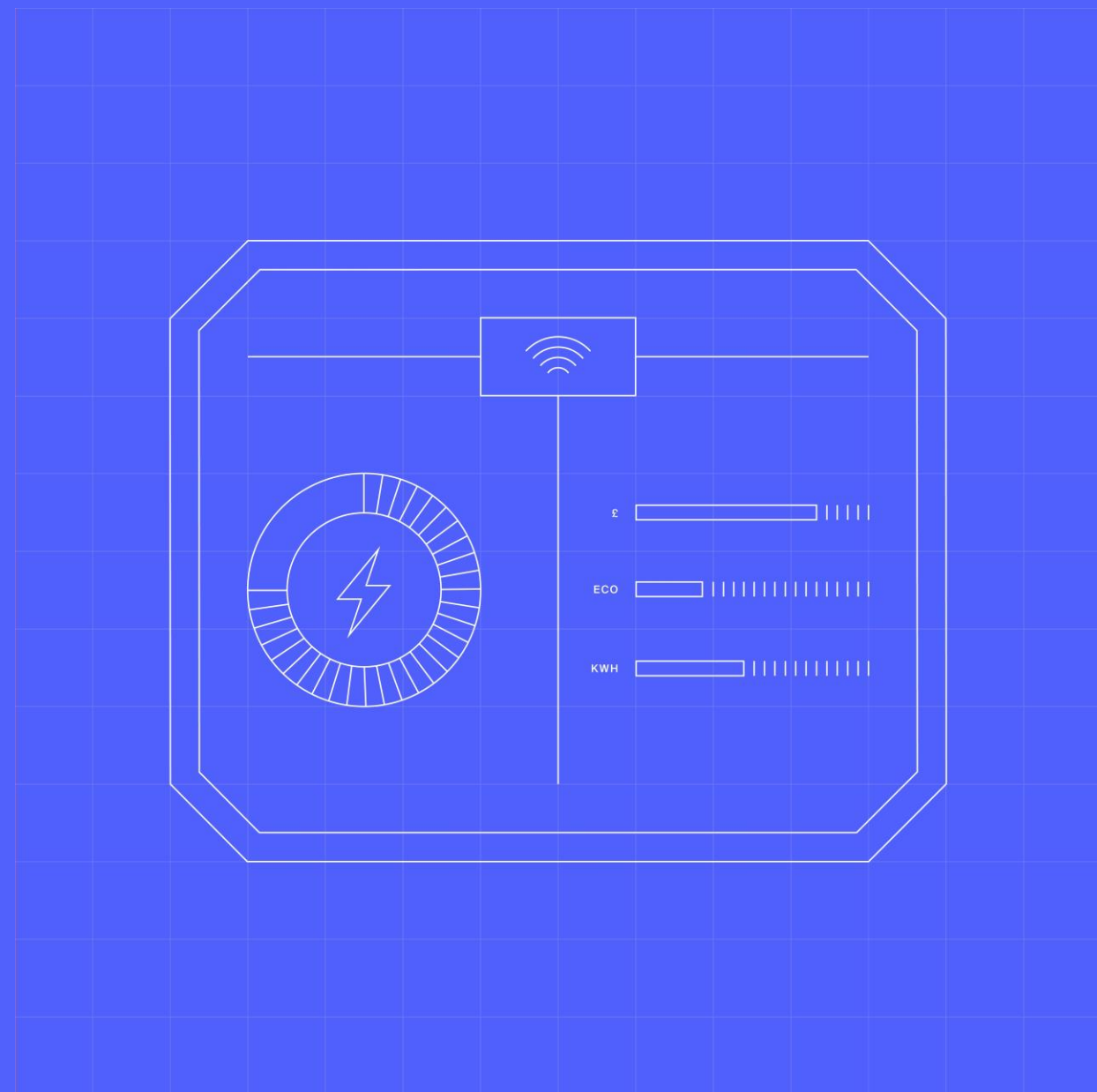


# IPA Test Assurance Period 2

**INFORMATION:** IPA Test Assurance Period 2  
Update

IPA

*5 mins*





Status as at 13 November 2023 (P1 - Test Assurance “Period 1” ending August 2023; P2 - “Period 2” ending October 2023; P3 - “Period 3” ending January 2024)

### Earlier Report Recommendations

**P1: 25 actions were agreed in total**

**P2: 33 new actions pending report finalisation**

We meet monthly with LDP to track progress of agreed actions from earlier Testing Assurance reports. The current status of the agreed actions from P1 is as follows:

-  17/25 closed as completed
-  8/25 currently in progress

Of those not yet complete, 7 are overdue, but good progress has been demonstrated. Progress against these actions are reported monthly as part of IPA’s PSG Dashboard.

P2 SIT-CIT report due to be finalised 17th November 23.

### P3 Fieldwork Planning

We are currently planning and mobilising P3 assurance activities, which will focus on readiness of each SIT-CIT interval. The two key exam questions are:

- How is SIT-CIT progressing to date?
- Is the Programme ready to start the next SIT-CIT interval?

We are in the process of selecting and contacting our sampled participants in alignment with the LDP.

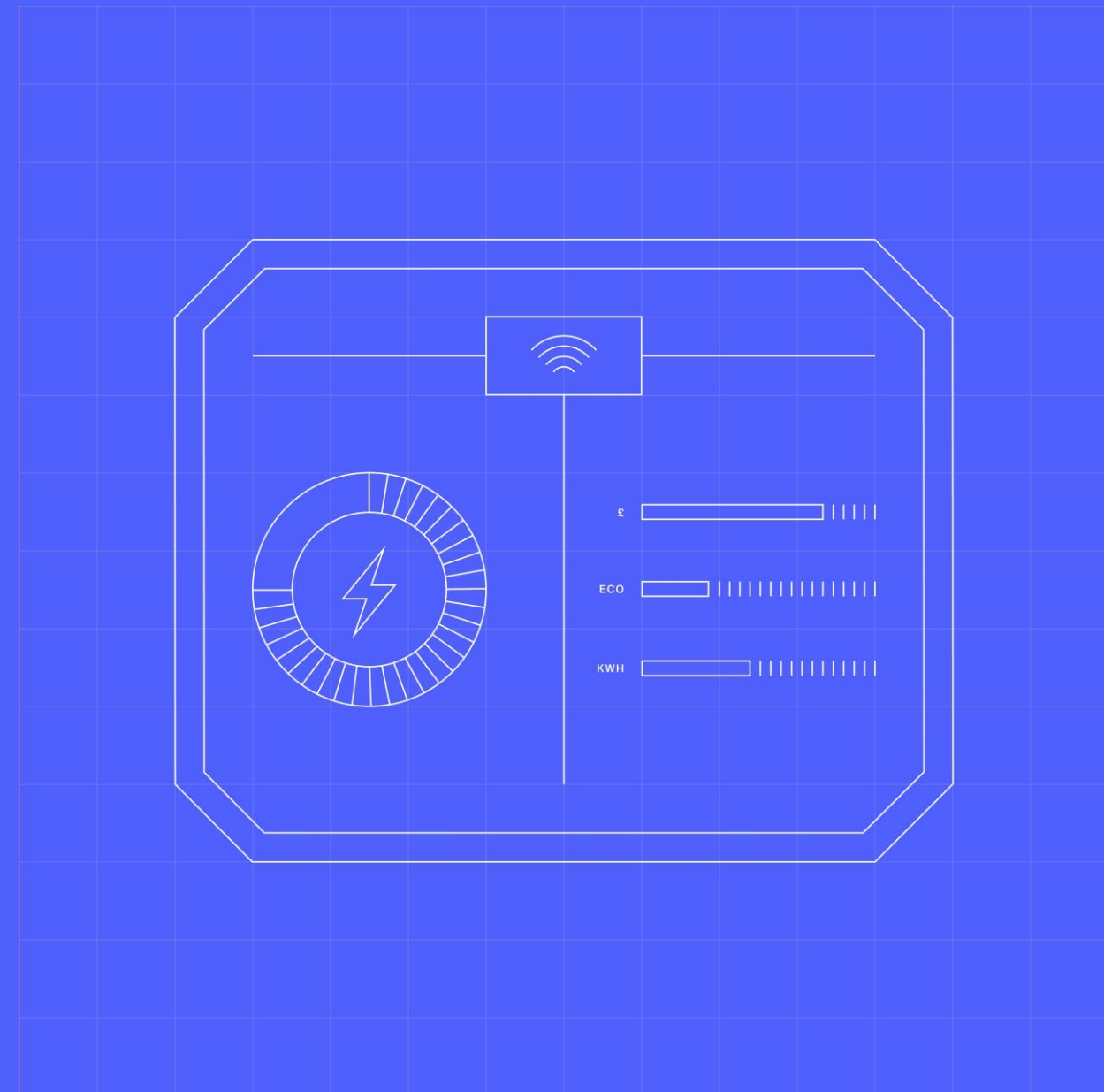
We will provide a brief report as input into each Interval Readiness decision, but will focus our outputs on real time recommendations for the Programme and Participants as appropriate.

# 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*



## Key Milestones and Change – Introduction

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- Over the last month we have continued to review the testing section of the programme plan. This is an ongoing activity and will continue in the medium term as changes to the testing delivery approach and timeline are crystalised.
- We will be focusing attention on the non-SIT LDSO testing activities as a priority over the next period. Working closely with the Programme team and Code Bodies to review key activities and timelines.
- 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 08/11/23 (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 01/11/23	Current RAG 08/11/23	Forecast RAG 15/11/23	Commentary
T3-TE-0067	TMAG	E2E Sandbox Guidance approved	Fri 04/08/23	Fri 04/08/23	SI Test	Red	Red	Red	Red because a waiting 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	Green	Grey	
T3-DB-0167	TMAG	All SIT Suppliers Test Approach & Plans MHHS Review Completed	Thu 12/10/23	Thu 12/10/23	SI Test	Red	Red	Red	Red due to high volume to be reviewed. Date change under consideration. Review will be completed no later than 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	Red	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-0134	TMAG	All Metering Services Test approach and plans MHHS Review Completed	Fri 20/10/23	Fri 20/10/23	SI Test	Red	Red	Red	Red due to high volume to be reviewed. Date change under consideration. Review will be completed no later than 04/12 a head of Interval 4 Readiness Assessment
T3-TE-0074	TMAG	Test Data (SITA) Interval 2 Complete	Fri 20/10/23	Thu 09/11/23	SI Test	Red	Red	Green	Red because of Data Customisation requirement for St. Clements and additional DIP message requirement. No impact on Interval 2 CIT start. Data to start loading on 31/10 and complete on 9/11

**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 08/11/23 (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 01/11/23	Current RAG 08/11/23	Forecast RAG 15/11/23	Commentary
T3-DB-0135	TMAG	All Metering Services MHHS Reviews Completed	Fri 27/10/23	Fri 27/10/23	SI Test	Red	Red	Red	Red due to high volume of backlog to be reviewed. Review will be completed no later than 4/12 ahead of Interval 4 Readiness Assessment
T3-DB-0136	TMAG	All Metering Services Test scenarios' MHHS Review Completed	Fri 27/10/23	Fri 27/10/23	SI Test	Red	Red	Red	Red due to high volume of backlog to be reviewed. Review will be completed no later than 4/12 ahead of Interval 4 Readiness Assessment
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	Red	Red	Red	Red because a review of the approach is being undertaken by the programme with the code bodies. A new timeline will be presented at PSG on 8/11
T3-DB-0072	TMAG	EES RTTM s submitted to Programme for assurance	Thu 02/11/23	Thu 02/11/23	PP	Green	Red	Red	Red because not submitted. No impact. No action
T3-DB-0031	TMAG	EES test scenarios submitted to Programme for assurance	Thu 02/11/23	Thu 02/11/23	PP	Green	Red	Red	Red because not submitted. No impact. No action
T3-DB-0169	TMAG	All SIT Suppliers Test scenarios' MHHS Review Completed	Thu 02/11/23	Thu 02/11/23	SI Test	Yellow	Red	Red	Red due to high volume and backlog to be reviewed. Review will be completed no later than 08/01/24 ahead of Interval 5 Readiness Assessment
T3-DB-0173	TMAG	All Network Operation RTTMs MHHS Review Completed	Thu 02/11/23	Thu 02/11/23	SI Test	Yellow	Red	Red	Red due to high volume and backlog to be reviewed. Review will be completed no later than 08/01/24 ahead of Interval 5 Readiness Assessment
T3-DB-0174	TMAG	All Network Operation test scenarios' MHHS Review Completed	Thu 02/11/23	Thu 02/11/23	SI Test	Yellow	Red	Red	Red due to high volume and backlog to be reviewed. Review will be completed no later than 08/01/24 ahead of Interval 5 Readiness Assessment

**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 08/11/23 (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 01/11/23	Current RAG 08/11/23	Forecast RAG 15/11/23	Commentary
T3-DB-0060	TMAG	All UMSO RTTMs submitted to Programme for assurance	Thu 02/11/23	Thu 10/11/23	PP	Green	Red	Blue	Red because not received. Expected 10/11. No impact No action
T3-DB-0025	TMAG	All UMSO test scenarios' submitted to Programme for assurance	Thu 02/11/23	Thu 10/11/23	PP	Green	Red	Blue	Red because not received. Expected 10/11. No impact No action
T3-DB-0039	TMAG	DIP Simulator uplifted to align with Interim Release 5	Fri 03/11/23	Fri 03/11/23	SI DevOps	Yellow	Blue	Grey	
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	Yellow	Blue	Grey	
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	Blue	Grey	
T3-DB-0168	TMAG	All SIT Suppliers RTTMs MHHS Review Completed	Fri 03/11/23	Fri 03/11/23	SI Test	Yellow	Red	Red	Red due to high volume and backlog to be reviewed. Review will be completed no later than 08/01/24 ahead of Interval 5 Readiness Assessment
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	Blue	Grey	
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	Blue	Grey	
T3-TE-0075	TMAG	Test Data (SITA) Interval 3 Complete	Fri 03/11/23	Wed 10/11/23	SI Test	Green	Red	Blue	Red because 7 out of 9 participants complete. Final data checks from 2 PP's to be made this week. No impact to CIT interval 3 start.
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	Red	Blue	Red because further clarity a round remaining open low severity defect work off plan requested. No impact
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	Yellow	Blue	Grey	
T3-DB-0119	TMAG	EES Test approach and plan (PIT) MHHS Review Completed	Thu 09/11/23	Thu 09/11/23	SI Test	Yellow	Yellow	Blue	Amber because Late delivery of document plus earlier intervals backlog. Currently no impact
T3-DB-0177	TMAG	All UMSO Test Approach & Plans MHHS Review Completed	Thu 09/11/23	Thu 09/11/23	SI Test	Green	Yellow	Blue	Amber because of high volume and backlog to be reviewed. Review will be completed no later than 22/01/24 ahead of Interval 6 Readiness Assessment

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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Document Classification: Restricted

**Look Ahead – Key Milestones Status at 08/11/23 (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 01/11/23	Current RAG 08/11/23	Forecast RAG 15/11/23	Commentary
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	Blue	
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	Blue	
T3-TE-0061	TMAG	Component Integration Testing Interval 2 Start	Mon 13/11/23	Mon 13/11/23	SI Test	Green	Green	Blue	
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	Green	Green	Blue	
T3-TE-0090	TMAG	Environment Approach and Plan - SIT Functional	Wed 15/11/23	Mon 20/11/23	SI Test	Red	Red	Red	Red because of change of date to TMAG. SIT Functional element has been updated & will go to 20-Nov TMAG
T3-TE-0091	TMAG	Environment Approach and Plan - Non SIT LDSO	Wed 15/11/23	Wed 15/11/23	SI Test	Red	Red	Red	Red because the LDSO element is on hold whilst discussions are being held between Programme and Code Bodies re: LDSO testing. When concluded, that update will be re-planned by agreement with TMAG
T2-DB-0250	DAG	Tranche 2 Transition Design Baselined	Wed 15/11/23	Wed 15/11/23	SRO	Green	Green	Blue	
T3-MI-0021	TMAG	Threshold volumes approved at TMAG	Wed 15/11/23	Mon 20/11/23	SI Migration	Green	Red	Red	Red because date of TMAG changed
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	Green	Green	Green	
T3-DB-0068	TMAG	DCC Test Approach & Plan (PIT)s submitted to Programme for assurance	Fri 17/11/23	Fri 17/11/23	PP	Green	Green	Green	
T3-DB-0133	TMAG	All Data Services PIT Completion Reports MHHS Review Completed	Fri 17/11/23	Fri 17/11/23	SI Test	Green	Green	Green	
T3-DB-0137	TMAG	All Metering Services PIT Completion Reports submitted to Programme for assurance	Fri 17/11/23	Fri 17/11/23	PP	Green	Green	Green	
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	Green	Green	Green	
T3-TE-0076	TMAG	Test Data (SITA) Interval 4 Complete	Fri 17/11/23	Fri 17/11/23	SI Test	Green	Green	Green	

**Milestone RAG definitions**


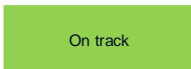
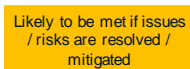
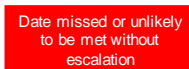
Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation
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**Look Ahead – Key Milestones Status at 08/11/23 (5)** *To align to weekly FTIG reporting, the previous, current and 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 01/11/23	Current RAG 08/11/23	Forecast RAG 15/11/23	Commentary
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	Green	Green	Green	
T2-DB-0200	DAG	SIT PPs design assurance (excl Migration/Reverse Migration) complete	Wed 22/11/23	Wed 22/11/23	SI Design	Green	Blue	Grey	
T3-RE-0300	CCAG	Code drafting for Governance and Qualification topic areas approved	Wed 22/11/23	Wed 22/11/23	PP	Green	Green	Green	
T3-RE-0400	CCAG	Code drafting for Migration topic area approved	Wed 22/11/23	Wed 22/11/23	PP	Green	Green	Green	
T3-TE-0084	TMAG	Test Data - SFTP Onboarding Complete	Fri 24/11/23	Fri 24/11/23	SI Test Data	Green	Green	Green	
T3-TE-0100	TMAG	PPs register PKI Officers and Request PKI Certificates Complete - Interval 4	Fri 24/11/23	Fri 24/11/23	PP	Green	Green	Green	
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	Green	Green	Green	
T3-TE-0062	TMAG	Component Integration Testing Interval 3 Start	Mon 27/11/23	Mon 27/11/23	SI Test	Green	Green	Green	
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-DB-0178	TMAG	All UMSO RTTMs MHHS Review Completed	Thu 30/11/23	Thu 30/11/23	SI Test	Green	Green	Green	
T3-DB-0179	TMAG	All UMSO Test scenarios' MHHS Review Completed	Thu 30/11/23	Thu 30/11/23	SI Test	Green	Green	Green	
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	

**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 08/11/23 (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 01/11/23	Current RAG 08/11/23	Forecast RAG 15/11/23	Commentary
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	Fri 01/12/23	SI Test				
T3-DB-0091	TMAG	SIT Functional PIT RTTM submitted to Programme for assurance	Thu 07/12/23	Thu 07/12/23	PP				
T3-DB-0089	TMAG	SIT Functional PIT test scenarios submitted to Programme for assurance	Thu 07/12/23	Thu 07/12/23	PP				
T3-DB-0170	TMAG	All SIT Suppliers PIT Completion Reports submitted to Programme for assurance	Fri 08/12/23	Fri 08/12/23	PP				
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				
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				
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				
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				
T3-TE-0101	TMAG	PPs register PKI Officers and Request PKI Certificates Complete - Interval 5	Fri 08/12/23	Fri 08/12/23	PP				
T3-TE-0077	TMAG	Test Data (SITA) Interval 5 Complete	Fri 08/12/23	Tue 05/12/23	SI Test				
T3-TE-0102	TMAG	PPs register PKI Officers and Request PKI Certificates Complete - Interval 6	Fri 08/12/23	Fri 08/12/23	PP				
T3-TE-0015	TMAG	SIT Functional Testing Test scenarios approved	Fri 08/12/23	Fri 08/12/23	SI Test				
T3-TE-0063	TMAG	Component Integration Testing Interval 4 Start	Mon 11/12/23	Fri 08/12/23	SI Test				
T3-DB-0115	TMAG	DCC Test Approach & Plan (PIT) MHHS Review Completed	Fri 15/12/23	Fri 15/12/23	SI Test				

**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 08/11/23 (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 01/11/23	Current RAG 08/11/23	Forecast RAG 15/11/23	Commentary
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) PPs in SDS Market Role				
T3-TE-0089	TMAG	SIT participants have received DCC DSP PKI certificates for UIT-B environment	Fri 15/12/23	Fri 15/12/23					
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	Tue 19/12/23	SI Test				
T3-TE-0027	TMAG	SIT Participants' SIT-Staging environments ready to start connectivity proving (incl. certificates and security compliance)	Tue 02/01/24	Tue 02/01/24	SI Test				
T3-DB-0122	TMAG	EES PIT Completion Report s submitted to Programme for assurance	Fri 05/01/24	Fri 05/01/24	PP				
T3-DB-0180	TMAG	All UM SO PIT (CIT interval 6) Completion Reports submitted to Programme for assurance	Fri 05/01/24	Fri 05/01/24	PP				
T3-DB-0023	TMAG	PP PIT Completion Report (excl. Migration/Reverse Migration) submitted to Programme for assurance CIT Interval 6	Fri 05/01/24	Fri 05/01/24	PP				
T2-TE-0450	TMAG	SIT Component Integration Testing 5 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	Mon 08/01/24	Mon 08/01/24	SI Test				
T3-DB-0099	DAG	Interim release 8 Go live	Wed 10/01/24	Wed 10/01/24	SI Design				
T3-DB-0139	TMAG	All SIT Functional Test approach and plans MHHS Reviews Completed	Thu 11/01/24	Thu 11/01/24	SI Test				
T3-TE-0064	TMAG	Component Integration Testing Interval 5 Start	Mon 15/01/24	Mon 15/01/24	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 08/11/23 (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 01/11/23	Current RAG 08/11/23	Forecast RAG 15/11/23	Commentary
T3-TE-0070	TMAG	SIT Functional Testing Test cases approved	Wed 17/01/24	Wed 17/01/24	SI Test	Green	Green	Green	
T3-DB-0140	TMAG	All SIT Functional RTTMs MHHS Reviews Completed	Thu 18/01/24	Thu 18/01/24	SI Test	Green	Green	Green	
T3-DB-0141	TMAG	All SIT Functional Test scenarios' MHHS Reviews Completed	Thu 18/01/24	Thu 18/01/24	SI Test	Green	Green	Green	
T3-DB-0123	TMAG	EES PIT Completion Report MHHS Review Completed	Fri 19/01/24	Fri 19/01/24	SI Test	Green	Green	Green	
T3-DB-0181	TMAG	All UMSO PIT (CIT interval 6) Completion Reports MHHS Review Completed	Fri 19/01/24	Fri 19/01/24	SI Test	Green	Green	Green	
T3-BC-0010	TMAG	Service Management Strategy approved	Fri 19/01/24	Fri 19/01/24	SI Design	Yellow	Yellow	Yellow	Amber because not expected to complete by baseline date due to focus on migration thresholds. No impact. Will take proposal to re-baseline to Dec TMAG. Date will be confirmed before this, but currently TBC
T2-TE-0500	TMAG	SIT Component Integration Testing 6 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	Mon 22/01/24	Fri 19/01/24	SI Test	Green	Green	Green	
T3-RE-0350	CCAG	Code drafting for Interfaces / Data Specification topic areas approved	Wed 24/01/24	Wed 24/01/24	PP	Green	Green	Green	
T3-RE-0450	CCAG	Code drafting for Transition Text topic area approved	Wed 24/01/24	Wed 24/01/24	PP	Green	Green	Green	
T3-DB-0116	TMAG	DCC RTTM MHHS Review Completed	Fri 26/01/24	Fri 26/01/24	SI Test	Green	Green	Green	
T3-DB-0117	TMAG	DCC Test Scenarios MHHS Review Completed	Fri 26/01/24	Fri 26/01/24	SI Test	Green	Green	Green	
T3-TE-0065	TMAG	Component Integration Testing Interval 6 Start	Mon 29/01/24	Mon 29/01/24	SI Test	Green	Green	Green	
T3-QU-0011	TMAG	Confirm Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Participants	Mon 29/01/24	Mon 29/01/24	Code Bodies	Green	Green	Green	
T3-DB-0100	DAG	Interim release 9 Go live	Tue 30/01/24	Tue 30/01/24	SI Design	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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# Key Milestones Change at 08/11/23

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 01/11/23	Current RAG 08/11/23	Forecast RAG 15/11/23	Commentary
T3-TE-0096	SI Test Data	Date Change	Test Data - Population of Data Items for Testing Guidance - Draft Complete	Fri 15/09/23	Fri 01/12/23	Red	Red	Green	Red because learnings from Intervals 1 & 2 are still required to complete the document. No impact. Review findings and information from CIT Interval 1 and 2 and include within the document. To go to TMAG on 20/11 for date change
T3-TE-0095	SI Test Data	Date Change	Test Data - Detailed SIT Functional Data Load Guidance Complete	Fri 29/09/23	Fri 01/12/23	Red	Red	Green	Red because learnings from Intervals 1 & 2 are still required to complete the document. No impact. Review findings and information from CIT Interval 1 and 2 and include within the document. To go to TMAG on 20/11 for date change
T3-MI-0022	SI Migration	Date Change	Acceptance criteria for M15 agreed at TMAG	Thu 30/11/23	Wed 20/12/23	Red	Red	Green	Red because initial date was not aligned to a TMAG. On track to delivery by 20/12. To go to 20/11 TMAG for a approval to change date

Milestone RAG definitions

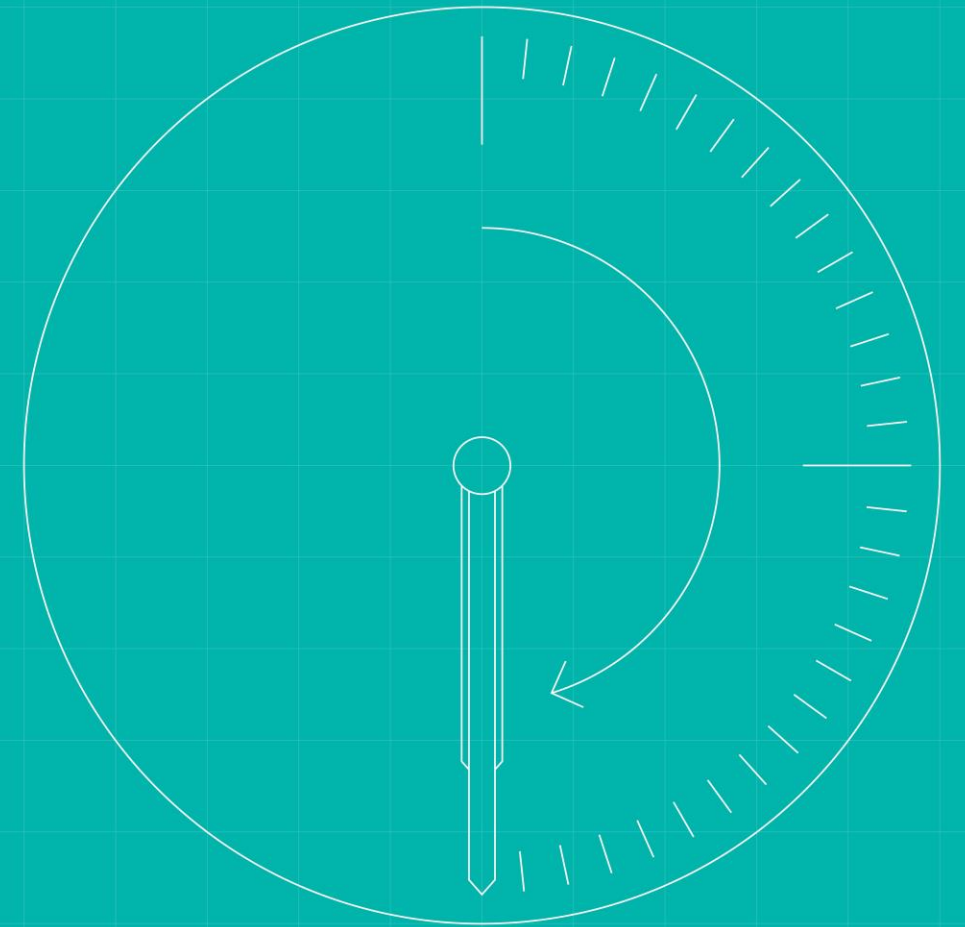
Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation
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# Top Programme Risks related to TMAG

**INFORMATION:** Update on the top Programme risks related to TMAG

Programme (PMO & Workstream Leads)

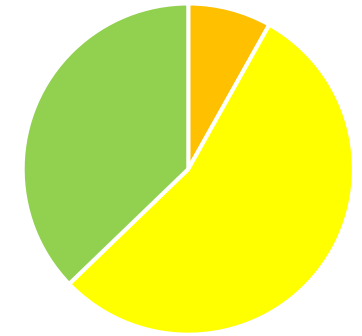
*10 mins*



## Top Programme Risks Related to TMAG

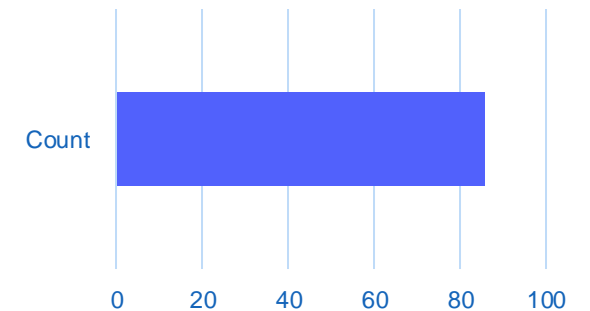
Risk/ Issue ID	Risk description	Risk impact	RAG	Mitigation
R603	There is a risk that Code Bodies will not be ready in time to complete LDSO Qualification in time	This may affect non-SIT LDSO testing and Qualification timelines, and thus M10	High	<ol style="list-style-type: none"> <li>PSG presentation with revised approach and plan for non-SIT LDSO Qualification Testing proposed to de-risk M10.</li> <li>MHHS Programme supporting Code Bodies by taking responsibility for the preparation and execution of non-SIT LDSO Qualification Testing with material to be presented to QWG. There is now a clear plan to monitor delivery against.</li> <li>QAD management and governance to be defined by Code Bodies.</li> </ol>
R677	There is a risk that performance testing of the migration functionality within MPRS identifies an issue that cannot be resolved in time for SIT and non-SIT LDSO Non-Functional Testing	If Performance Testing identifies that LDSO hardware is insufficient to meet Migration Volumes and a platform upgrade is required, the timelines for this upgrade could exceed M10, potentially requiring a Migration replan		<ol style="list-style-type: none"> <li>Early performance testing of the Change of Service Process in 2023 which has some shared functionality with Migration.</li> <li>Proposed relaxation of the 60-minute SLA for LDSOs to process all migration messages during the migration period as part of the migration thresholds proposals to be approved 20-Nov-23 TMAG.</li> </ol>
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)		<ol style="list-style-type: none"> <li>MHHS in discussion with Code Bodies to confirm their requirements in order to build these into SIT so that any testing is done in SIT and no testing is outstanding, as per Assumption A165</li> </ol>
R653	There is a risk that the Programme cannot mobilise test environments and test harnesses in time to support non-SIT LDSO Qualification Testing	Without definition, it will not be possible to define the test environment architecture required to support the testing		<ol style="list-style-type: none"> <li>MHHS, Elexon and RECCo agreed R&amp;R at a high level in PSG presentation - done</li> <li>Code Bodies and MHHS to progress preparation through QWG - and agree Test stubs</li> <li>Defining test harness requirements and development included in the non-SIT LDSO plan.</li> </ol>
R695	There is a risk that Code Bodies will not be ready in time to complete Supplier and Agent Qualification in time for tranches	Delays to starting and completing Qualification impacting the ability of Suppliers to start migration with their preferred service providers		<ol style="list-style-type: none"> <li>MHHS, Elexon and RECCo agreed R&amp;R at a high level in PSG presentation</li> <li>Code Bodies to progress preparation through QWG 14-Nov-23</li> <li>Code Bodies re-looking at tranching to see appropriateness</li> </ol>
R662	There is a risk that LDSOs will not be able to support planned migration volumes due to operational or technical constraints	Failure to be able to support Supplier migration plans will impact the overarching M15 milestone and/or early realisation of MHHS benefits		<ol style="list-style-type: none"> <li>Ensure that NFRs for migration activities are understood by all LDSOs and committed to - (Migration Threshold out for consultation currently)</li> <li>Sign off revised migration NFRs at TMAG</li> <li>NFR testing in SIT is robust</li> <li>NFR testing for each LDSO in qualification is robust. Placing reliance cannot be utilised for each LDSO proving NFR capabilities.</li> <li>LDSOs have invested in infrastructure (e.g. IT hardware and operating systems) capable of supporting NFR volumes - NFR Testing as part of Qual</li> <li>LDSOs have operational plans and resources in place to manage migration volumes - NFR Testing as part of Qual</li> </ol>

TMAG related risks RAG



■ High ■ Medium ■ Low

TMAG risk count



**RAG key**

- Critical
- High
- Medium
- Low

# 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 extraordinary TMAG: December (TBC)
3. Date of next TMAG: 20 December 2023

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

Meeting dates	Extraordinary – December (TBC)	20-Dec
<b>Relevant milestones or activities</b>	<ul style="list-style-type: none"> <li>• T2 Milestone: SIT CIT Interval 4 Preparation Complete</li> </ul>	<ul style="list-style-type: none"> <li>• SIT Migration Test Approach and Plan</li> <li>• SIT Migration Test Data Approach and Plan</li> <li>• M15 Acceptance Criteria</li> </ul>
<b>Agenda items</b>	<ul style="list-style-type: none"> <li>• SIT CIT Interval 4 Preparation Complete</li> </ul>	<ul style="list-style-type: none"> <li>• SIT Migration Test Approach and Plan</li> <li>• SIT Migration Test Data Approach and Plan</li> <li>• M15 Acceptance Criteria</li> <li>• SIT CIT Readiness Tracker</li> <li>• Qualification Update</li> </ul>
<b>Standing items</b>	<ul style="list-style-type: none"> <li>• Minutes and actions review</li> <li>• Programme updates</li> <li>• Working group report</li> <li>• 3 Month Milestone Look Ahead &amp; Milestone Changes</li> <li>• Top Programme Risks related to TMAG</li> <li>• Next steps and agenda roadmap</li> </ul>	<ul style="list-style-type: none"> <li>• Minutes and actions review</li> <li>• Programme updates</li> <li>• Working group report</li> <li>• 3 Month Milestone Look Ahead &amp; Milestone Changes</li> <li>• Top Programme Risks related to TMAG</li> <li>• Next steps and agenda roadmap</li> </ul>

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

# Appendix

- Attachment 1 – MHHS-DEL1648 - Migration Thresholds Document v0.4
- Attachment 2 – MHHS-DEL1648 – Migration Threshold Document (Red-Lined) v0.4
- Attachment 3 – MHHS-DEL618 - Environments Approach and Plan (SIT Functional) (Red-Lined) v2.8
- Attachment 4 - MHHS-DEL618 - Environments Approach and Plan (SIT Functional) – updates following PP review v2.8
- Attachment 5 – MHHS-DEL618 – Environments Approach and Plan (SIT Functional) – update following EES amendment v2.8