



MHHS
PROGRAMME

Industry-led, Exelon facilitated

Testing and Migration Advisory Group (TMAG) #31 – 20 December 2023

Version 1.0

MHHS-DEL2048

Agenda (1/2)

#	Item	Objective	Type	Lead	Time	Page	
1	Welcome			Chair	10:00-10:05 <i>5 mins</i>	2	
2	Minutes and Actions	Approve minutes. Update on open actions, closing where appropriate	Decision	Chair and Secretariat	10:05-10:10 <i>5 mins</i>	4	
3	Programme Updates	Provide updates from L2/3 governance groups and wider Programme activity	Information	Programme (PMO)	<i>0 mins</i>	6	
4	Working Group Report	Provide updates from discussion at the DWG, MWG, EWG, QWG, SITWG, NFTWG and MDSG	Information	Working group leads	<i>0 mins</i>	8	
5	TMAG Restructure Approved by PSG	Update on TMAG restructure and call for nominations	Information	Programme (Chris Welby)	10:10-10:15 <i>5 mins</i>	10	
6	Migration	M15 Acceptance Criteria	Approval of the M15 Acceptance Criteria	Decision	Programme (John Wiggins)	10:15-10:20 <i>5 mins</i>	12
7		CR037	Approval to issue CR037: Migration Message Processing Choreography for Impact Assessment	Decision	Programme (John Wiggins)	10:20-10:30 <i>10 mins</i>	16
8		TORWG Terms of Reference	Approval of the TORWG Terms of Reference	Decision	Programme (John Wiggins)	10:30-10:35 <i>5 mins</i>	19
9	Testing	CIT Governance Milestones	Change in CIT entry for PPs, amending Interval model impacting test readiness and test commencement milestones	Information / Decision	Programme (Keith Clark)	10:35-10:45 <i>10 mins</i>	21
10		SIT Migration Test Approach and Plan	Approval of the SIT Migration Test Approach and Plan, following SITWG recommendation	Decision	Programme (Lee Cox)	10:45-10:50 <i>5 mins</i>	25
11		SIT Migration Test Data Approach and Plan	Approval of the SIT Migration Test Data Approach and Plan. following DWG recommendation	Decision	Programme (John Wiggins)	10:50-10:55 <i>5 mins</i>	27
12		SIT CIT Batch 3 Test Cases (Interval 5 and 6)	Approval of the SIT CIT Batch 3 Test Cases (Interval 5 and 6), following SITWG recommendation	Decision	Programme (Kevin Davis)	10:55-11:00 <i>5 mins</i>	29
13		SIT Functional Test Scenarios and Test Cases Delivery Plan	Update on the SIT Functional Test Scenarios and Test Cases Delivery Plan	Information	Programme (Kevin Davis)	11:00-11:05 <i>5 mins</i>	31

Agenda (2/2)

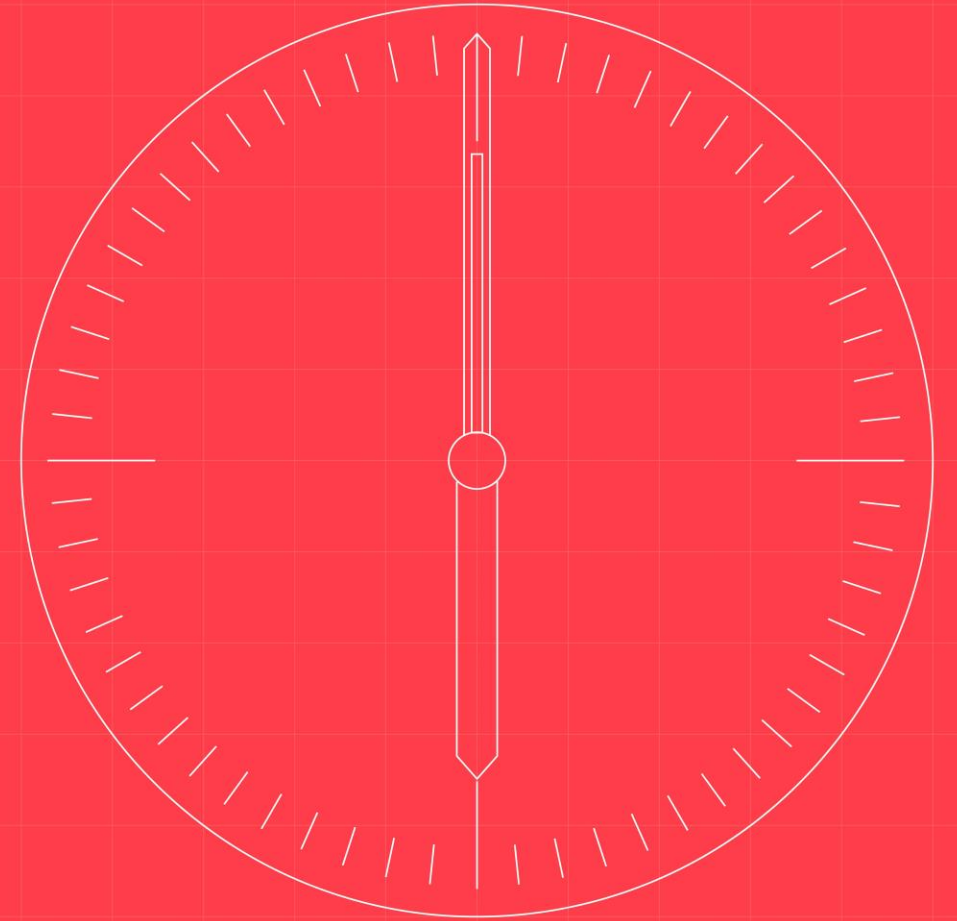
#	Item	Objective	Type	Lead	Time	Page	
14	Testing	SIT Functional Test Scenarios and Test Cases (Themes 1 - 5)	Approval of the SIT Functional Test Scenarios and Test Cases, following SITWG recommendation	Decision	Programme (Kevin Davis)	11:05-11:10 5 mins	34
15		Release Management and Change Freeze Update	Update on the cadence of major and minor releases and change freeze	Information	Programme (Lee Cox)	11:10-11:25 15 mins	36
16		CIT and Secondary Routing	Update on secondary routing within CIT	Information	Programme (Lee Cox)	11:25-11:40 15 mins	44
17		Qualification Update	Update on discussions with code delivery bodies on qualification and activity at the QWG	Information	Elexon & REC Performance Assurance	11:40-11:45 5 mins	46
18	IPA Test Assurance Update	IPA Test Assurance Period 2 Update	Information	IPA	11:45-11:50 5 mins	48	
19	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)	11:50-11:55 5 mins	50	
20	Top Programme Risks related to TMAG	Update on the top Programme risks related to TMAG	Information	Programme (PMO & Workstream Leads)	11:55-11:00 5 mins	60	
21	Summary and Next Steps		Information	Chair and Secretariat	11:00-11:05 5 mins	62	
22	Appendix	Attachment 1 – MHHS-DEL1792 - M15 Acceptance Criteria v0.2 Attachment 2 – MHHS-DEL1792 – M15 Acceptance Criteria v0.2 Red-Lined Attachment 3 – MHHS-DEL2000 CR037 - Migration Message Processing Choreography Update v0.1 Attachment 4 – MHHS-DEL1996 Transition & Operational Readiness Working Group ToR v0.1				64	

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 November TMAG and 04 December 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)

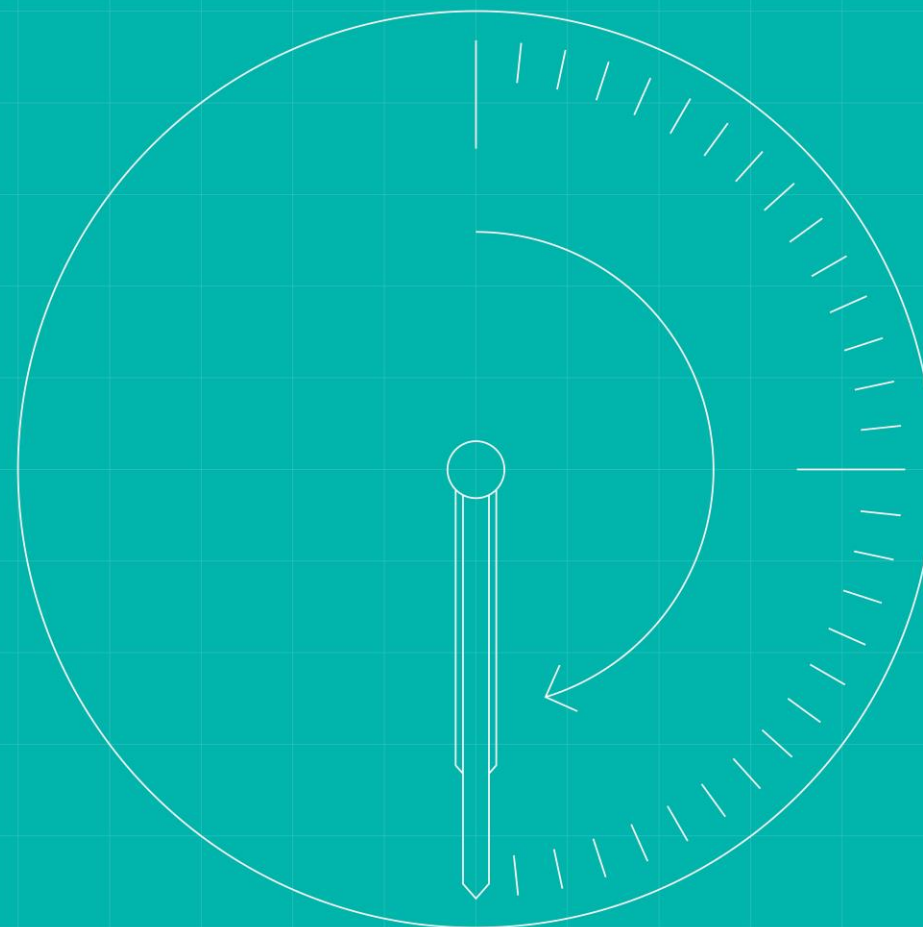
Ref	Date	Action	Owner	Due	Status	Latest Update
TMAG22-01	20/09/23	Programme to update TMAG members on the status around the remove of role seniority criteria in the Code of Connection document.	Programme (Adrian Page)	23/10/23	Recommend Closed	Version 1.3 of the CoCo has been published to the MHHS website and Programme Collaboration Base in clean and red-lined versions.
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	Recommend Closed	Covered in agenda item 13.
TMAG29-01	20/11/23	Programme to ensure appeals process is updated for the decisions made at the Testing, Migration and Qualifications Advisory Groups.	Programme (PMO)	20/12/23	Recommend Closed	The updated appeals process for SITAG, MCAG & QAG can be found in the MHHS Governance Framework available here.
TMAG29-02	20/11/23	Programme to identify ownership of milestones which Advisory Group they sit within.	Programme (PMO)	20/12/23	Open	To be completed on the mobilisation of the new Advisory Groups.
TMAG29-03	20/11/23	Programme to define which group (Qualification Advisory Group or SIT Advisory Group) SIT participants will be qualified.	Programme	20/12/23	Recommend Closed	The updated MHHS Governance Framework available here , which highlights the SIT participant advisory group.

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 08 November 2023

- Qualification Testing:** Code Bodies and the Programme provided updates on Qualification Testing (QT), noting the need for urgency. Code Bodies will retain overall accountability for delivery and the Programme will support QT for non-SIT LDSO in the lead up to Programme milestone M10 (Central systems ready for migrating MPANs), including seeking to align QT and SIT to support use of the Placing Reliance Policy. An overview of the schedule for test execution was provided in the meeting papers. Updates on Supplier and Agent qualification will be provided at the December PSG meeting.
- MHHS Appeals Process:** Recommendations for improvements to appeals and escalation processes were accepted and will be implemented in due course.
- TMAG Restructure:** Recommendations for a restructuring of the Testing and Migration Advisory Group (TMAG) were accepted and will be delivered via a Programme Change Request.

PSG papers available [here](#).

Testing and Migration Advisory Group (TMAG)

Update from TMAG 20 November 2023

- Migration Threshold document:** TMAG members approved this document.
- T2 Readiness Assessment for CIT Interval 3:** TMAG members approved the Readiness Assessment, following a recommendation from FTIG.
- Environments Approach and Plan (SIT Functional) v2.9:** The TMAG members approved this document.
- TMAG Approval Process.** The Programme shared the new method for level 2 and 3 approvals with TMAG.
- TMAG restructure:** The Programme shared the proposed the new TMAG structure.
- Qualification Update:** The Programme provided an update on Qualification.
- Testing Update:** The Programme provided an update on Testing.
- 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.

TMAG papers available [here](#)

Design Advisory Group (DAG)

Updates from DAG 08 November 2023

- CR032 Decision:** The DAG requested updates are made to Programme Change Request (CR) 032 ([Change to Interface IF-165_P0210_TUoS Reporting](#)) and the CR re-issued for a five working day Impact Assessment (IA).
- CR034 Impact Assessment:** The DAG approved CR034 ([Delay to Elexon Level 4 validation response – NFR \(1009\)](#)) for issue to IA, subject to requested amendments
- Transition Design Decision:** DAG approved the baselining of the Tranche 2 Transition Design Artefacts (Settlement Timetable Transition).
- UTC vs Clock Time Decision:** DAG approved the use of Clock Time for Change of Supplier reads and Service Appointments and for this to form the basis of a new CR to enable formal Impact Assessment.
- Updates to the Interface Code of Connections (CoCo):** DAG deferred a decision on the updated CoCo whilst updates agreed at the SDWG are applied. The redlined CoCo will be issued to SDWG attendees for review and an ex-committee approval decision sought from the DAG.

DAG papers available [here](#)

Cross Code Advisory Group (CCAG)

Update from CCAG 22 November 2023

- Horizon Scanning Log:** For BSC, CP1589, CP1590 were discussed. For REC, R0083, R0083A, R0026, R0043, R0065, R0081 were discussed, for DCUSA, DCP419 was discussed. There were no new changes that the Programme believed will impact them.
- CDWG Escalations:** The CCAG approved the BSC and REC Migration, Governance and Qualification Code Artefacts.
- CCAG Reporting, Risks and Milestones:** The Programme shared an update on the Code workstreams status against the plan, including top programme risks related to CCAG, and an overview of the Mop-up 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

Programme News

- The Clock is taking a short festive break:** This week is the last issue of The Clock for 2023, and we'll be back on **Wednesday 3 January 2024**.
- Christmas working arrangements:** From **Friday 22 December 2023 to Tuesday 2 January 2024** there will be no MHHS governance meetings, and we won't publish any documents for formal review. For any in-flight consultations, PPIRs, or other review requests, we will treat this period as non-working days, allowing additional time for responses.
- Programme Change Freeze:** At last week's PSG on **6 December 2023**, industry representatives formalised a Programme Change Freeze. The purpose of the Change Freeze is to address instability during Programme delivery, implementation and go-live that creates risk for the Programme, Code Bodies and Programme participants.

Participant Checklist:

There are a few updates this week, so this week's Participant Checklist includes the following items for Programme participant review, feedback and awareness:

- Systems Integration Testing (SIT) Advisory Group (SITAG), Migration & Cutover Advisory Group (MCAG), Qualification Advisory Group (QAG): Call for Nominations – the deadline is **Wednesday 20 December 2023**
- Code Topic Mop Up 1 Consultation – the deadline is **Tuesday 2 January 2024**
- Placing Reliance Form – deadline for Licensed Distribution System Operators (LDSOs) ONLY is **Friday 5 January 2023**
- MHHS Impacts to Data Transfer Network (DTN) Flows Consultation – the deadline is **Friday 5 January 2023**
- Design Interim Release 5.2 published
- Design Interim Release 2.3 Data Integration Platform (DIP) Simulator uplift
- Change Request CR035 approved by the Programme Steering Group (PSG)

You can view the **Participant Checklist** on the respective **Planning pages** of the [Collaboration Base](#) and the [MHHS website](#).

Upcoming Governance Meetings:

- Tuesday 19 December 2023:** Non-Functional Testing Working Group (NFTWG)
- Wednesday 20 December 2023:** [Testing and Migration Advisory Group \(TMAG\)](#)
- Wednesday 20 December 2023:** [Cross-Code Advisory Group \(CCAG\)](#)

Upcoming Governance Meetings:

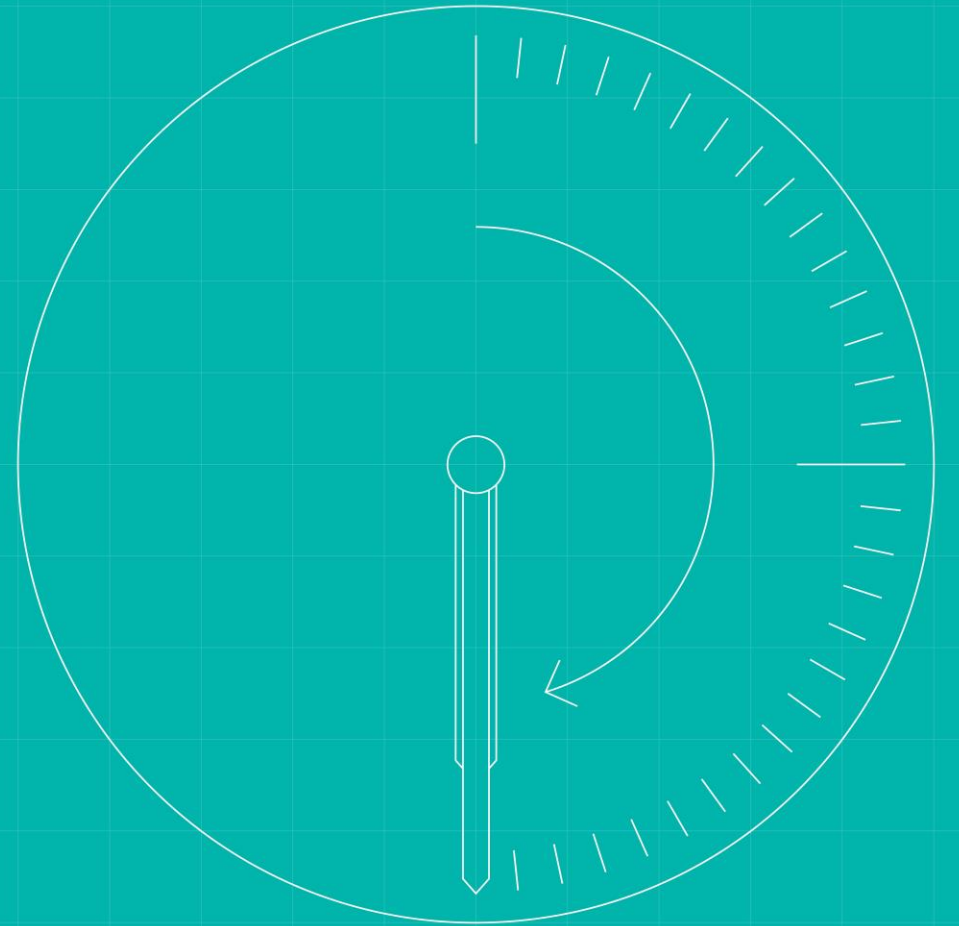
- Change Proposal CP1589: Create Additional Market Participant Role Codes:** Elexon request that parties please respond to the CP1589 Consultation by **17:00 on Friday 15 December 2023**. For more information please visit the [CP1589 page of the Elexon website](#).
- Elexon's Code drafting to prepare for Market-wide Half-Hourly Settlement (MHHS):** Elexon is taking these documents to the [Performance Assurance Board \(PAB\) PAB275 meeting](#) on **14 December 2023** for endorsement. The assurance code drafting will be sent for consultation on **19 February 2024**. For more information and to find out which BSC documents are impacted, please see the [news section of the Elexon 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



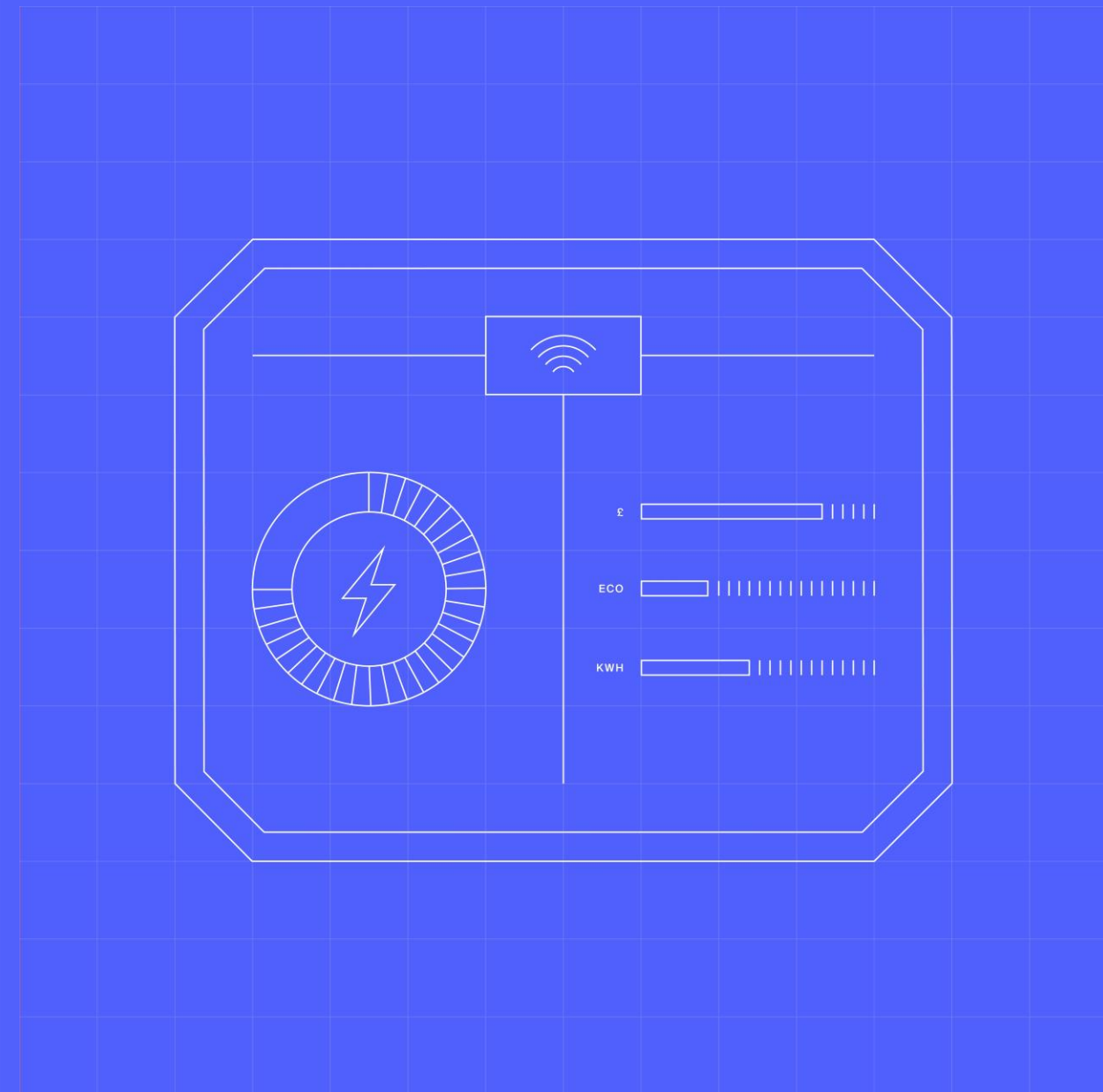
	Data Working Group (DWG)	Migration Working Group (MWG)	Environments and Configuration Management Working Group (EWG)	Qualification and E2E Sandbox Working Group (QWG)	Systems Integration Test Working Group (SITWG)	Non-Functional Testing Working Group (NFTWG)
Upcoming deliverables	<ul style="list-style-type: none"> • Test data loaded for Interval 4 • SIT Migration Test Data Approach and Plan (December TMAG) 	<ul style="list-style-type: none"> • M15 Acceptance Criteria (December 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-Migration Approach & Plan • SIT-Non-Functional Approach & Plan 	<ul style="list-style-type: none"> • SIT Functional Test Themes 1 – 5 (December TMAG) • SIT Migration Test Approach and Plan (December TMAG) • SIT CIT Batch 3 Test Cases (Interval 5 and 6) (December TMAG) 	<ul style="list-style-type: none"> • TBC
Next meeting's agenda items	18 January 2024 <ul style="list-style-type: none"> • TBC 	11 January 2024 <ul style="list-style-type: none"> • TBC 	16 January 2024 <ul style="list-style-type: none"> • TBC 	17 January 2024 <ul style="list-style-type: none"> • TBC 	04 January 2024 <ul style="list-style-type: none"> • TBC 	19 December 2023 <ul style="list-style-type: none"> • NFT PIT Guidance • Draft NFT Scenarios
Agenda items from last meeting	07 December 2023 <ul style="list-style-type: none"> • Data Schedule Update • Update of sFTP Onboarding • Sit Migration Test Data Approach and Plan • CIT Data Allocation Status • CIT Lessons Learnt 	09 November 2023 <ul style="list-style-type: none"> • M15 Criteria • Migration Thresholds Document Consultation 	05 December 2023 <ul style="list-style-type: none"> • CSS Onboarding Status • Backups for SIT Functional • SIT Functional Connectivity Proving 	12 December 2023 <ul style="list-style-type: none"> • General Qualification Update • BSC & REC Assessment Criteria • LDSO QT Approach Update • Test Data Approach 	07 December 2023 <ul style="list-style-type: none"> • December TMAGs • SIT CIT Test Cases Batch 3 (CIT Intervals 5 and 6) • SIT Functional Test Themes • SIT Migration Test Approach & Plan • SIT CIT Readiness Tracker • Programme Release Plan • Data Transfer Services (DTS) 	21 November 2023 <ul style="list-style-type: none"> • NFT PIT Guidance • Draft NFT Scenarios • Test Type Definitions • NFT Status Report Template
TMAG escalations	None	None	None	None	None	None

TMAG Restructure Approved by PSG

INFORMATION: Update on TMAG restructure and call for nominations

Programme (Chris Welby)

10 mins



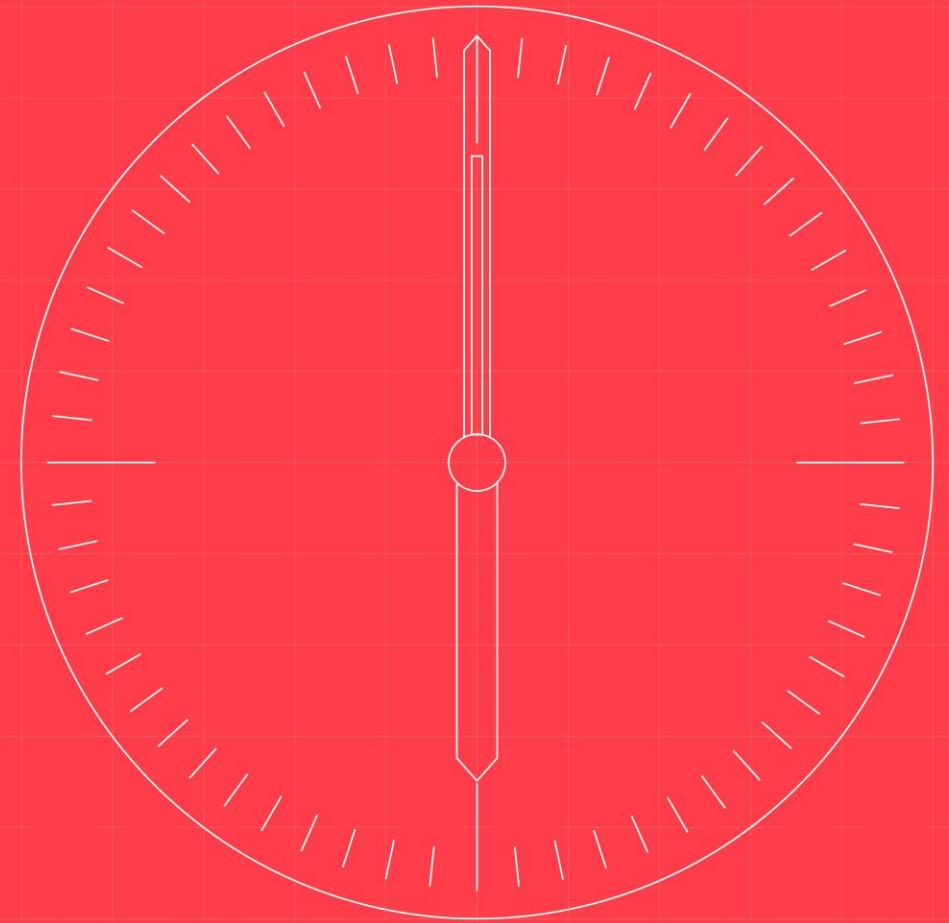
- PSG approved the TMAG restructure on 6th December with an amendment to the make-up of MCAG so that it reflects the current TMAG representation.
- A request for nominations for the 3 new advisory groups was issued in the Clock with a closing date of 20th December.
- The last TMAG will be held in January, and the new groups will commence in February.
- Meeting cadence is still being worked out by the PMO and draft ToR will be presented at the first meeting of each advisory group for agreement, and then sent to March PSG for formal approval.
- Ownership of TMAG milestones will be reallocated to the new Groups.

M15 Acceptance Criteria

DECISION: Approval of the M15 Acceptance Criteria

Programme (John Wiggins)

10 mins



- The M15 milestone is planned to take place in October 2026 and is currently defined as ‘Full transition complete’ i.e. all MPANs have been migrated to the MHHS arrangements and none remain in the legacy arrangements. Whilst the target will be to migrate 100% of MPANs, practically it will not be necessary to enact the migration process for all MPANs in the legacy arrangements as there will be some MPANs in states that prevent them from being migrated. Therefore, it is necessary to define a set of acceptance criteria, that if attained, will allow the Programme to consider M15 as achieved.
- The purpose of this document is to define this acceptance criteria, which include the MPAN states that will be ‘acceptable’ and ‘unacceptable’ at M15, and to also define the reporting mechanisms that will be used to assess progress towards the acceptance criteria across the Migration Period.

Key Sections

#1

Introduction, Overview and scope

#3

Acceptable and Unacceptable MPAN States at M15

#2

MPAN State Terminology

#4

M15 Acceptance Criteria

Summary of Feedback

Consultation on the M15 Acceptance Criteria Document lasted 2 weeks from 22 November – 6 December 2023. In that time, we received *27 comments* from *8 organisations*.

The most prominent themes are summarised below:

#1

Clarifications around the proposed reporting

#3

Data quality and migration exception issues and their impact on M15

#2

The timing of ensuring all MPANs are in 'acceptable' states prior to M15

#4

CoS gains (of potentially poor quality MPANs) shortly before M15

Summary of v0.2 Updates

1. Addition of a large amount of text to the Introduction for the purposes of further clarification e.g. explaining the use of the 'acceptable' / 'unacceptable' states terminology, de-mystifying any functional links between M15 and legacy / MHHS settlement.
2. Definition of the 'mandatory data items' that are required to update an MPAN's RMP status from 'Created' to 'Operational' as set out within BSCP501: Supplier Meter Registration Service.
3. Other minor updates for the purposes of additional clarification.

Recommendation for Approval

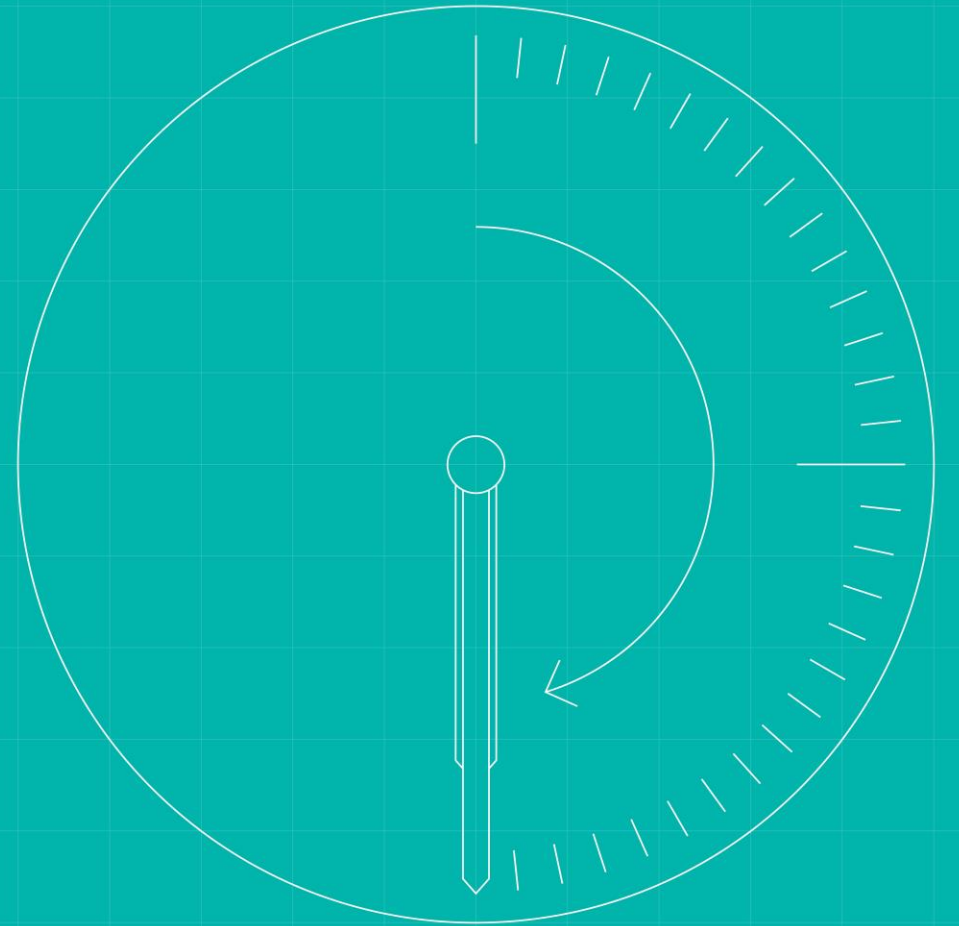
The Programme recommends that TMAG approves the M15 Acceptance Criteria Document v0.2.

CR037

DECISION: Approval to issue CR037: Migration Message Processing Choreography for Impact Assessment

Programme (John Wiggins)

10 mins



CR037 Overview

Objective: TMAG to issue CR037 to Impact Assessment

Migration Message Processing Choreography Update

Issue Statement:

- Within the MHHS Design and Migration Design, Registration Services are obliged to process any inbound messages and issue any resulting messages within a 60-minute SLA.
- As part of the industry consultation on the Migration Thresholds Document v1.0, LDSOs raised concern that the 60-minute SLA, combined with the migration thresholds, would require significant investment in IT infrastructure to support.
- The Migration Team proposed an alternative message processing choreography, which applies exclusively to Change of Agent (CoA) migration messages, which received cross-constituency support. The Migration Design requirements now need to be brought in line with this new choreography.
- As part of the Testing & Migration Advisory Group (TMAG) approval of the Migration Thresholds Document on 20 November 2023, it was agreed that this CR would be raised to update the Migration Design.

Description of Change:

- The new message choreography is described through the table and diagram on the following slide.
- Industry participants should send the relevant messages only during the time windows indicated. If messages are sent in accordance with these time windows, the receiving party is under obligation to process the message and send any resulting messages by a specific deadline. If messages are sent outside of these time windows, the receiving party is under no obligation to process these by the specified deadline.

Target Date of Change and Next Steps:

- The Change Board recommends that TMAG agrees to issue CR037 to Impact Assessment.
- A decision is required by the Change Raiser in January 2024.

The screenshot shows a 'Change Request Form' for the MHHS Programme. The form title is 'Change Request Form'. Below the title, there is a section for 'Change Request details' which includes a table with the following information:

Change Request details	
Change Request Title	Migration Message Processing Choreography Update
Change Request Number	CR037
Originating Advisory / Working Group	MWG
Risk/issue reference	
Change Raiser	Sean Tuffy, MHHS Programme
Date raised:	04/12/2023

Below the table, there is a note: 'For further guidance on how to complete this document please see the supporting Change Request Form Guidance for Programme Participants. The guidance will support raising a change and responding to a change request via Impact Assessment. The Change Raiser should consider sharing the draft Change Request Form with impacted programme parties, prior to submission to PMO. The guidance, as well as other key documents are referenced below and can be found via the MHHS website.'

At the bottom of the form, there is a section titled 'Change Request to be read in conjunction with:' which lists the following documents:

- MHHS Change Request Form Guidance for Programme Participants
- MHHS Change Control Approach
- MHHS Governance Framework
- Olgem's MHHS Transition Timetable

The form also includes the MHHS Programme logo and the text '© Elexon Limited 2023'.

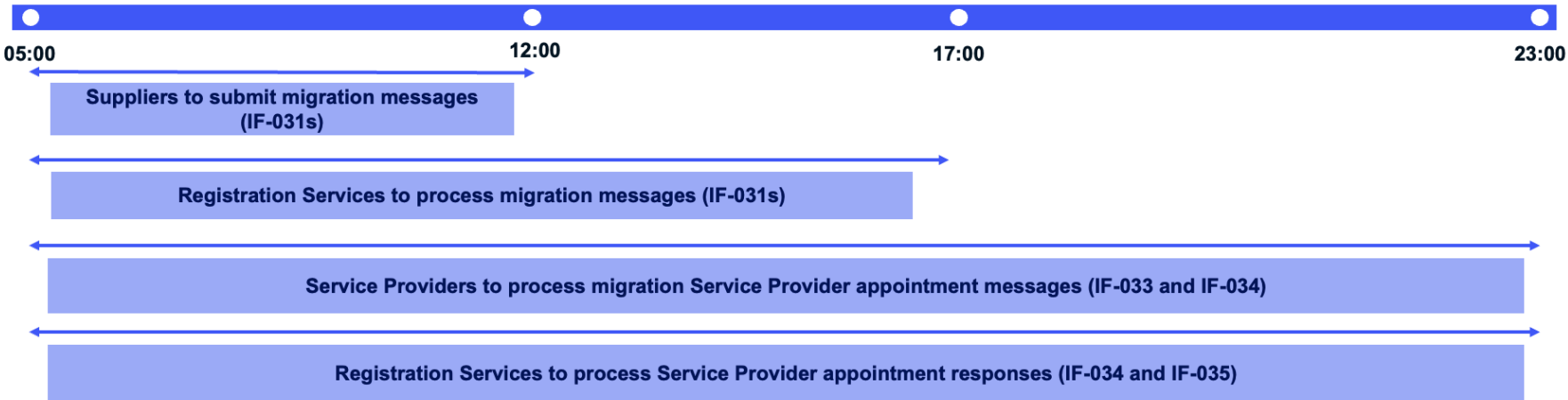
MHHS-DEL2052 CR037 Draft

CR037 Overview

MPRS Processing Hours



Migration Period Message Processing Window



Please note the below in relation to these conditions:

1. These processing windows and deadlines **will apply to CoA migration messages only**. All other messages are considered part of BAU activities and will not be subject to these conditions.
2. These conditions will **not be enforced through any system or functional changes**. A Supplier could still physically send a CoA migration IF-031 post-12:00, however the receiving Registration Service will not be obliged to process this before 17:00.
3. Similarly, in the case of message rejection, CoA migration IF-031 **re-tries will be permitted to be sent outside the 05:00-12:00 window**, however the receiving Registration Service will not be obliged to process these before 17:00.
4. All times are in **local time**.

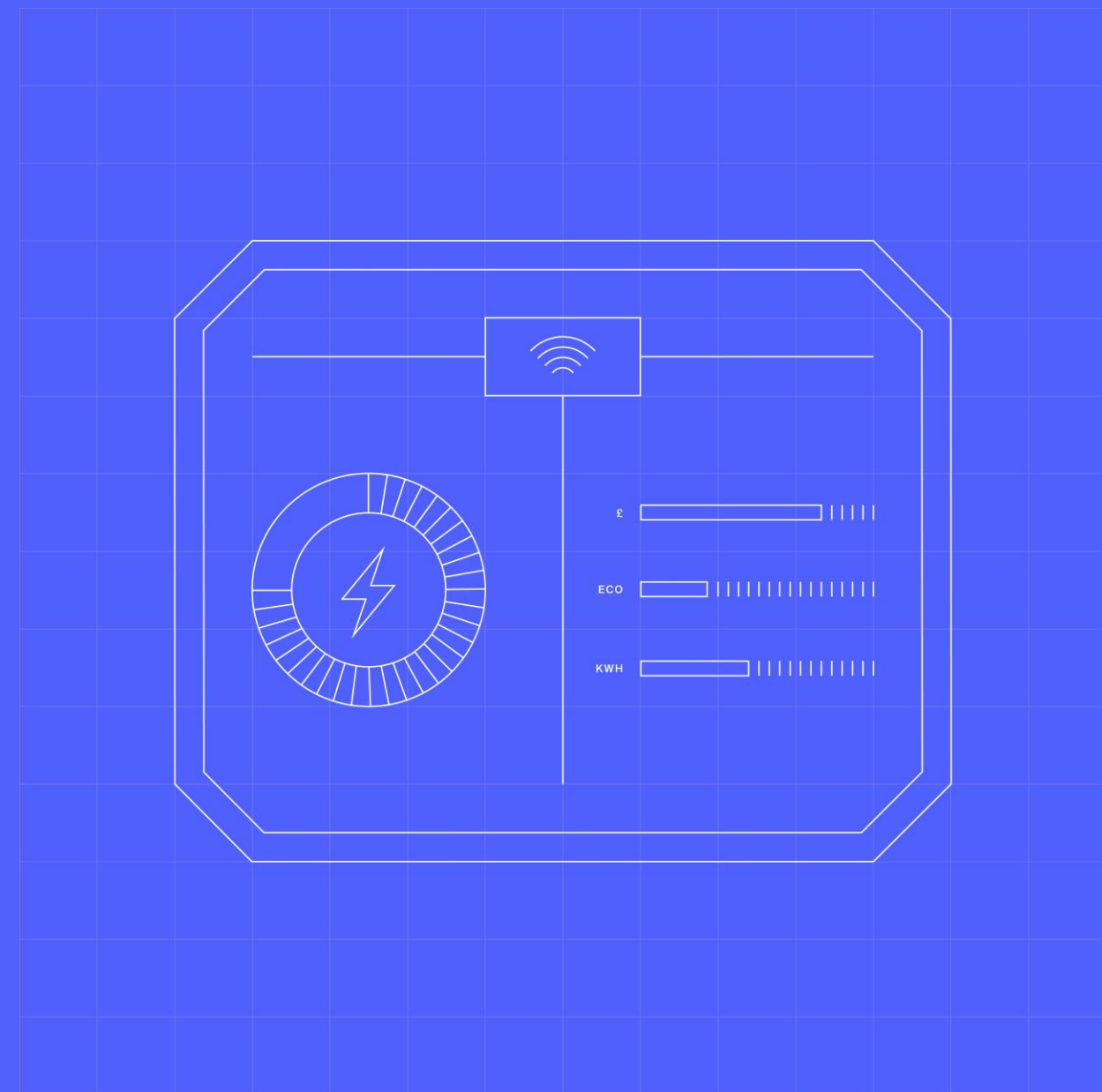
Process Description	CoA Migration Messages Sent	Window to Undertake Activity	Processing Deadline Conditionality
Suppliers to submit migration initiation messages	IF-031	05:00 – 12:00	N/A
Registration Services to issue all resulting IF-032's and IF-033's	IF-032, IF-033	05:00 – 17:00	Processing deadline of 17:00 only applies to messages resulting from IF-031's received between 05:00 – 12:00
Service Providers to process all IF-033's and send resulting IF-034's	IF-034	05:00 – 23:00	Processing deadline of 23:00 only applies to messages resulting from IF-033's received before 17:00
Registration Services to process all IF-034's and send resulting IF-035's	IF-035	05:00 – 23:00 and overnight batch run	Processing deadline of end of overnight batch run only applies to messages resulting from IF-034's received before 23:00

TORWG ToR

DECISION: Approval of the TORWG Terms of Reference

Programme (John Wiggins)

5 mins



TORWG Terms of Reference

Transition & Operational Readiness Working Group (TORWG) Terms of Reference (Level 4 Working Group)

The TORWG Terms of Reference ("ToR") sets out the role, membership and mode of operation.

TORWG Role

The TORWG is established as a working group under the auspices of the MHHS Testing and Migration Advisory Group (TMAG).

The TORWG's role is to:

- Act as a home for the discussion of all MHHS transition and operational readiness-related items going forwards.
- Facilitate discussion and strive for consensus on transition and operational readiness discussion items to inform the development of documents (e.g. MHHS Service Management Strategy, Cutover Plan etc.) that will shape and define key activities and milestones across the transition period.
- Escalate any major transition and operational readiness-related risks, issues and / or concerns to TMAG.

Note that it is not the role of the TORWG to:

- Discuss any migration-specific topics (e.g. migration planning, or Migration Control Centre (MCC) development). These discussions will be held in the Migration Working Group (MWG) instead.

TORWG Objectives

The TORWG's primary objective is to act as a home for the discussion of all MHHS transition and operational readiness-related items going forwards. Currently these topics do not have an obvious home within the existing MHHS governance structure.

Another objective for the TORWG is to facilitate discussion on transition and operational readiness-related items to inform the development of documents that will shape and define key activities and milestones across the transition period.

The definition of these activities and milestones will introduce certainty for Programme participants around the expected shape of the transition period and will also bring certainty around the expectations and obligations on Programme participants across the transition period.

Decision-Making

The TORWG has no formal decision-making powers. Instead, the Programme will use TORWG meetings to strive to reach consensus on areas of discussion and final outputs will be reported up to the TMAG for approval.

This will occur on an ongoing basis and may require engagement with other Programme participants. Where the TORWG is unable to reach a consensus on a decision delegated to them by TMAG, the matter will be escalated to the TMAG.

Membership

- MHHS Transition & Operational Readiness Lead (Chair);
- MHHS Transition & Operational Readiness Business Analysts;
- MHHS Programme Management Office (PMO);
- MHHS Programme Participants.

The TORWG meeting is open to all Programme participants. TORWG attendees should be industry subject matter experts or have expertise in the areas of transition and / or operational readiness.

Members Roles and Responsibilities

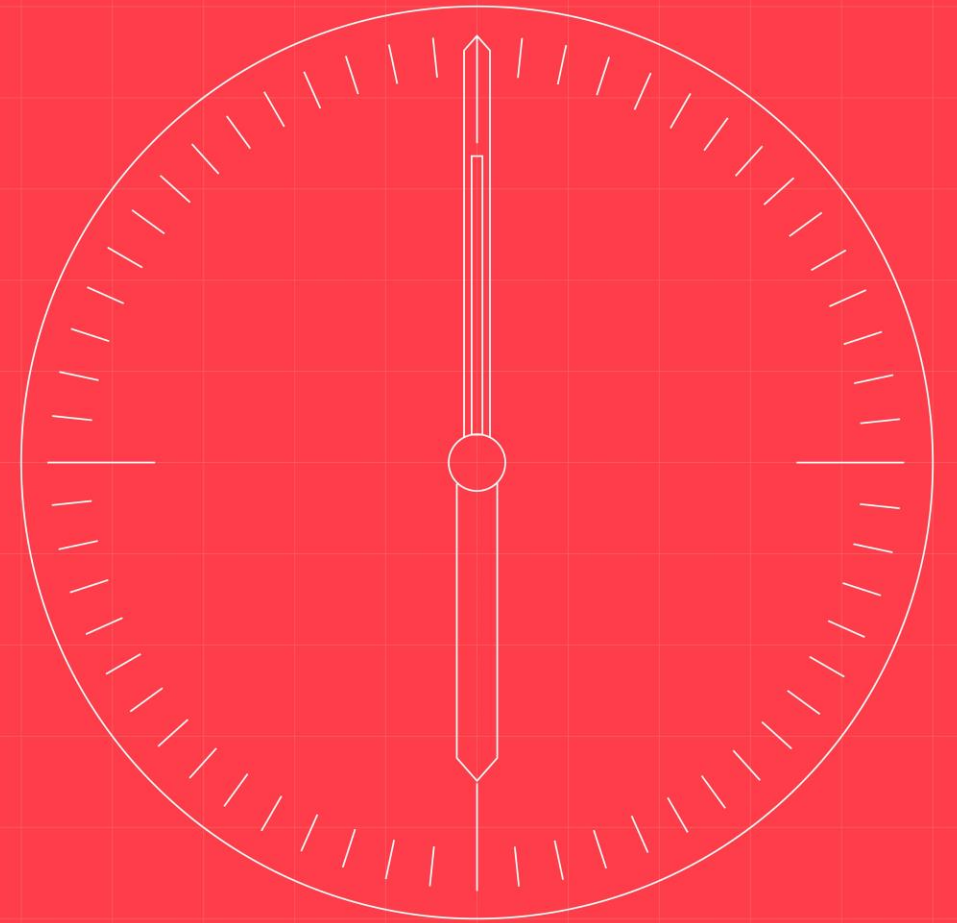
- The MHHS Transition & Operational Readiness Lead will chair meetings.
- The MHHS PMO Secretariat will provide all meeting management services and deliver all regular and ad-hoc meetings.
- TORWG attendees will review relevant papers and actions prior to meetings and will attend meetings with relevant updates or discussion points.
- TORWG members will be expected to actively contribute to the development and review of collateral and this is likely to include completing tasks and actions outside of the TORWG meetings.

CIT Governance Milestones

INFORMATION / DECISION: Change in CIT entry for PPs, amending Interval model impacting test readiness and test commencement milestones

Programme (Keith Clark)

10 mins



Current Situation

- CIT Intervals 1 – 4 have demonstrated some difficulty in getting through DIP onboarding and smoke testing, to start CIT test execution
- As of FTIG on 8th December, CIT Interval 1 test execution had recently progressed and was nearing completion (albeit it had been taking longer than expected and originally planned for) – with lessons learned and applied for future activities
- Scope of, and timescale for CIT execution has been to some extent uncertain given that only a portion of DIP (secondary routing) functionality has been delivered so far (with a plan for its complete delivery in Feb-24 per programme plan)
- There is a pattern of approving interval preparation (T2) milestones with significant work-off actions and the prospect of slow completion, meaning that interval start (T3) milestones are being approved with PPs' preparation incomplete and further work-off actions before they can start

SIT CIT Approach Update – as discussed with FTIG on 8th December 2023

Approach	Notes
<p>Continued support to PPs onboarding and smoke testing</p> <p><i>- supporting more PPs to completion (of onboarding and smoke testing) this month</i></p>	<ul style="list-style-type: none"> • 4 PPs testing, 9 PPs in/ready to start smoke testing, remainder onboarding (all have started) • Continued and improving (LDP and Avande) support to ‘handhold’ PPs through onboarding and smoke testing • Improved support – surgeries, bilaterals, FAQs • PPs should start CIT when ready – dilute ‘intervalism’ to reflect reality and enable momentum to build
<p>Re-planning (deferring) all secondary routing testing from currently-planned CIT execution activity</p> <p><i>- this will provide more clarity and certainty for PPs executing CIT</i></p> <p><i>- fewer CIT tests for PPs to perform</i></p>	<ul style="list-style-type: none"> • It is expected that 66% of CIT tests will be deferred to a later secondary routing test at the end of Feb-24 • Maintain the CIT objective of sending each IF and receiving each PUB associated with each PPs market role. Scope reduction is achieved as only a single variant of each IF and PUB is required to be tested • Secondary routing assumptions: <ul style="list-style-type: none"> – DIP system release is available (as scheduled) mid-Feb to enable deferred testing before SIT Functional start – Testing will be risk-based and agreed – Test Execution will not require PP involvement, however opportunities for volunteers to conduct testing will be available
<p>With the narrower and clearer scope indicated above, continue CIT execution with the objectives of:</p> <p><i>- not pausing or losing momentum</i></p> <p><i>- being more efficient and providing better clarity (to PPs) on what is happening and what is expected from them</i></p>	<ul style="list-style-type: none"> • Interval 1 nearing completion (good test execution progress achieved 07-Dec) • One recently-started PP making good progress, adding value in identifying new defects as a different market role • PPs who complete onboarding and smoke testing can start CIT execution from that point – dilute ‘intervalism’ • By 13-Dec-23 verification & communication of the adjusted CIT execution scope and schedule for PPs (clearer and more certain, with a lower number of tests) that can meet programme existing timescales
<p>Once a PP has successfully completed smoke testing, they can commence CIT without further approval</p>	<ul style="list-style-type: none"> • Maintain progress transparency at FTIG • Maintain PPs cannot start CIT until onboarding and smoke tests successfully performed • For the remaining intervals, T2 and T3 milestones require a revised governance approach to allow a ‘start when ready’ approach • Request TMAG approval of a revised milestone governance approach on 20-Dec-23

Governance Approach - Proposed change to CIT Tier 2 and Tier 3 milestone decision-making

Proposed approach for the remaining CIT milestones

- For the remaining intervals, T2 and T3 milestones require a revised governance approach to allow a 'start when ready' approach
- When asked on 8th December, FTIG (and the IPA) supported moving to this new approach, which **would necessitate TMAG approving specified CIT Interval 5 and 6 Tier 2 and Tier 3 milestones 'en bloc' at TMAG on 20th December (today)**
 - on the basis that no Participant may enter CIT execution until they have completed both DIP onboarding and smoke testing (this process of controlled exit has been strictly applied and reported weekly already, in Intervals 3 and 4) – and neither should Participants be held up when ready to start
- This 'en bloc' approval would therefore apply to these milestones (if not already reached by all interval PPs):
 - T3-TE-0101 PPs register PKI Officers and Request PKI Certificates Complete - Interval 5 (08-Dec-23)
 - T3-TE-0077 Test Data (SIT A) Interval 5 Complete (08-Dec-23)
 - T3-TE-0102 PPs register PKI Officers and Request PKI Certificates Complete - Interval 6 (08-Dec-23)
 - T3-TE-0078 Test Data (SIT A) Interval 6 Complete (22-Dec-23)
 - T2-TE-0450 SIT Component Integration Testing 5 Preparation Complete (08-Jan-24)
 - T3-TE-0064 Component Integration Testing Interval 5 Start (15-Jan-24)
 - T2-TE-0500 SIT Component Integration Testing 6 Preparation Complete (19-Jan-24)
 - T3-TE-0065 Component Integration Testing Interval 6 Start (29-Jan-24)
- Interval 5 and 6 milestones related to PIT completion reports and associated PIT assurance are unaffected by this proposed new approach
- In support of the above, the programme team committed to providing:
 - Full details of the reduced CIT tests that PPs will be asked to conduct (to be provided by Weds 13-Dec-23)
 - A forward plan, including the additional step of conducting the deferred secondary routing-related tests ahead of SIT Functional testing commencement, the validation of the secondary routing assumptions stated on the previous slide and planned mitigation of any additional risks by 17-Jan-24 (January TMAG), with an outline schedule (PoAP) to be communicated to FTIG, SIT WG and TMAG in the first week of January

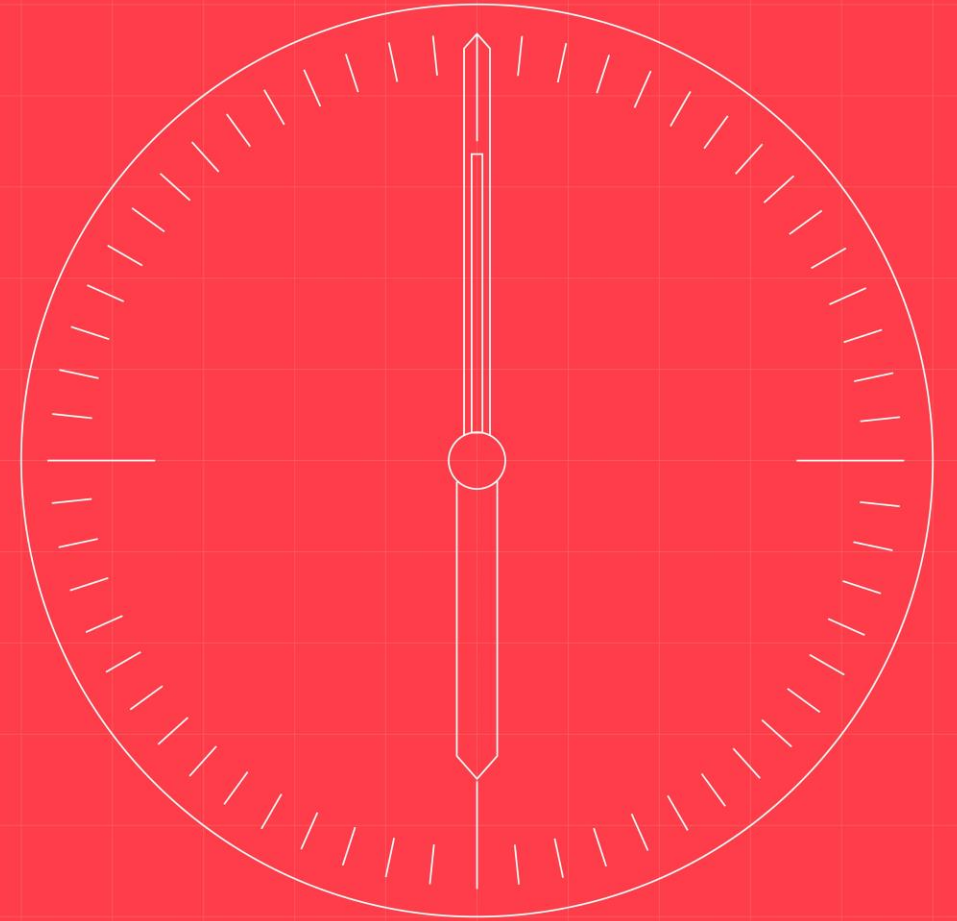
Decision: Does TMAG approve the specified milestones above, based on the approach outlined here (and supported by FTIG)?

SIT Migration Test Approach and Plan

DECISION: Approval of the SIT Migration Test Approach and Plan

Programme (Lee Cox)

5 mins



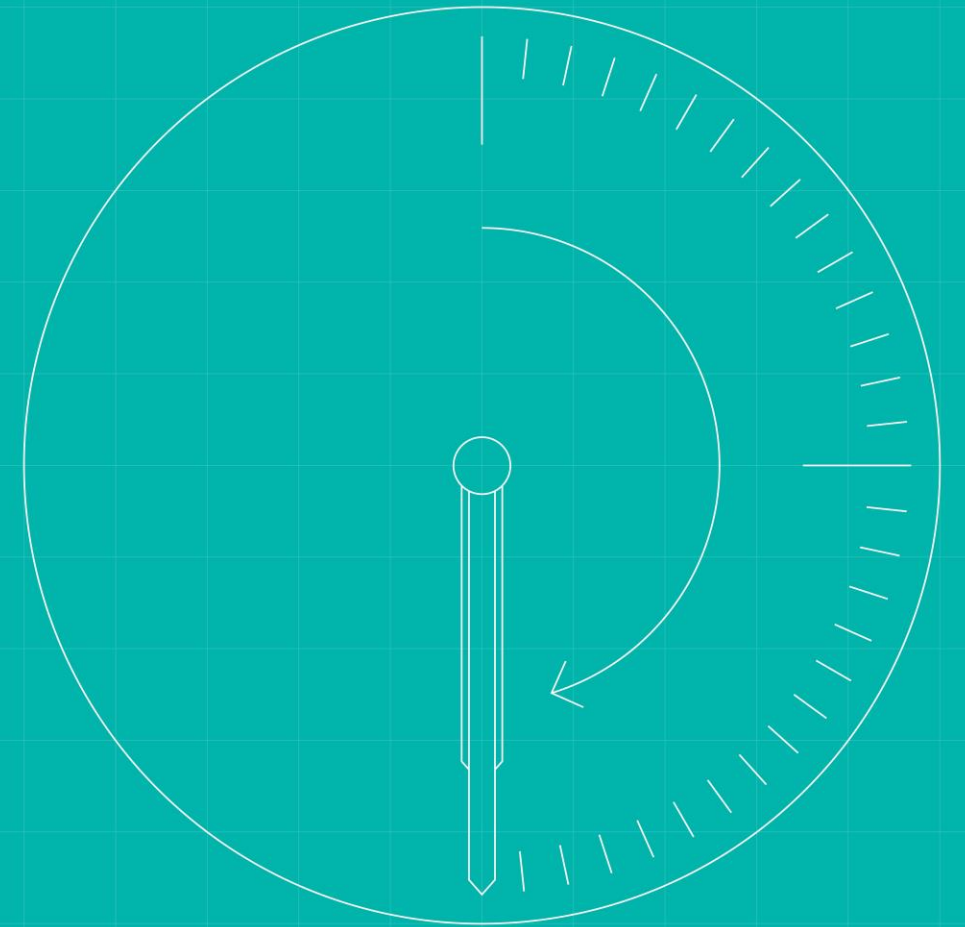
- The SIT Migration Test Approach & Plan completed a 10-day Industry Consultation 02-Nov to 15-Nov.
- With Consultation Queries actioned, a further 5-day Assurance Review was also completed 21-Nov to 27-Nov.
- Assurance review, resulted in one change to the document , Section 5.7 Exception Handling, adding a bullet - *Agent Appointments for a Market Segment that differs to the Market Segment held within the Registration Service*. Version 0.4 was created and published with this change.
- 07-Dec SITWG agreed document should be recommended for TMAG Approval.
- **Decision:** Does TMAG Approve the SIT Migration Test Approach and Plan v0.4?

SIT Migration Test Data Approach and Plan

DECISION: Approval of the SIT Migration Test Data Approach and Plan, following DWG recommendation

Programme (John Wiggins)

5 mins



- A small number of comments were received across all parties (24 in total).
- A number of clarifications were provided to parties about the scope of testing and the utilisation of legacy agents in particular.
- A number of minor errors were also resolved specifically focused on more precision around the roles within scope of data provision.
- As the key test approach is to follow the exact process sequence of the migration design the requirement to augment data as per SIT Functional is low – as each MPAN will start in a legacy state (as per the data cut taken on the 19th August).

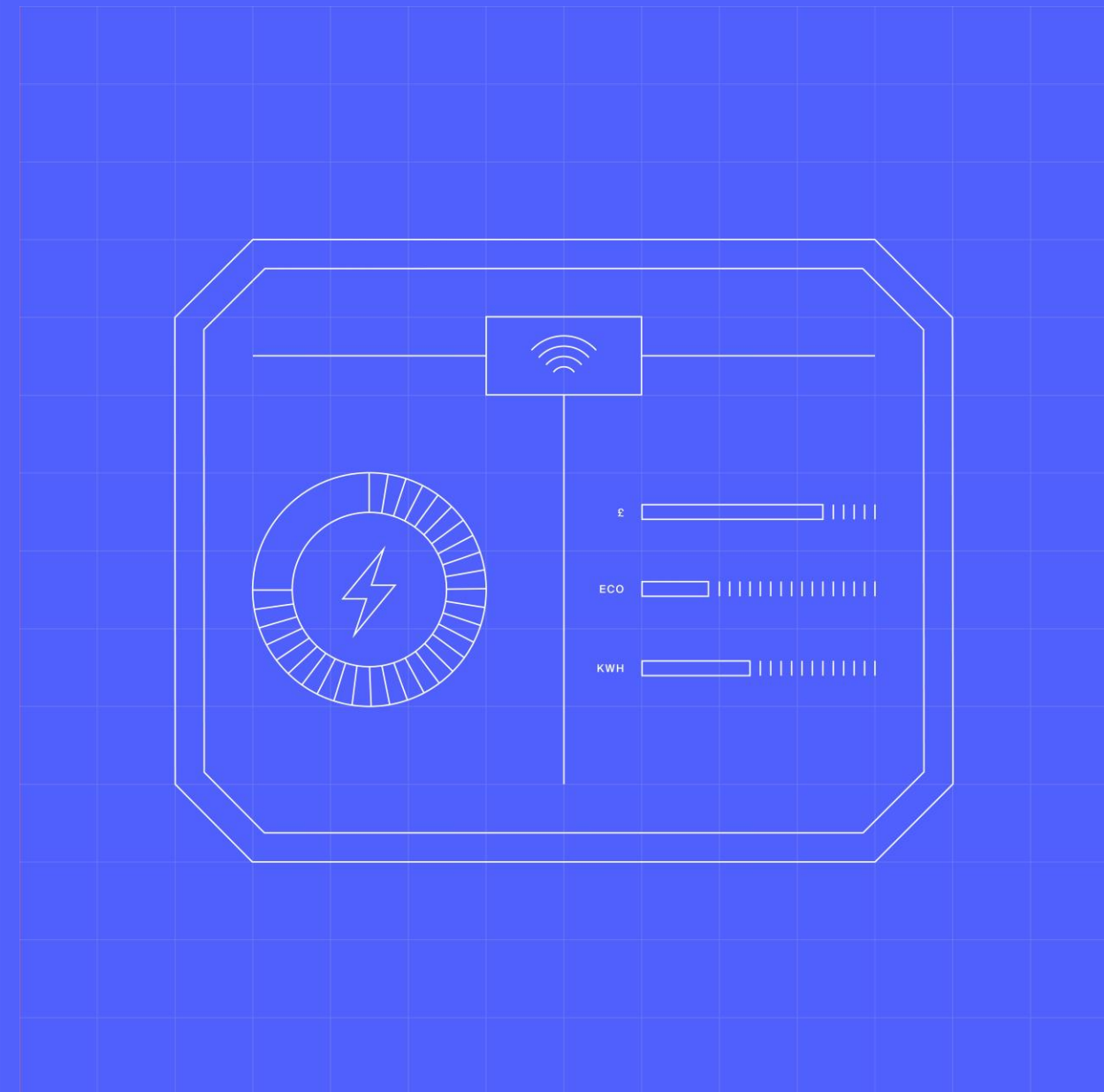
TMAG is requested to approve the Test Data Approach and Plan

SIT CIT Batch 3 Test Cases (Interval 5 and 6)

DECISION: Approval of the SIT CIT Batch 3 Test Cases (Interval 5 and 6), following SITWG recommendation

Programme (Kevin Davis)

5 mins



SIT CIT Batch 3 Test Cases (Interval 5 and 6)

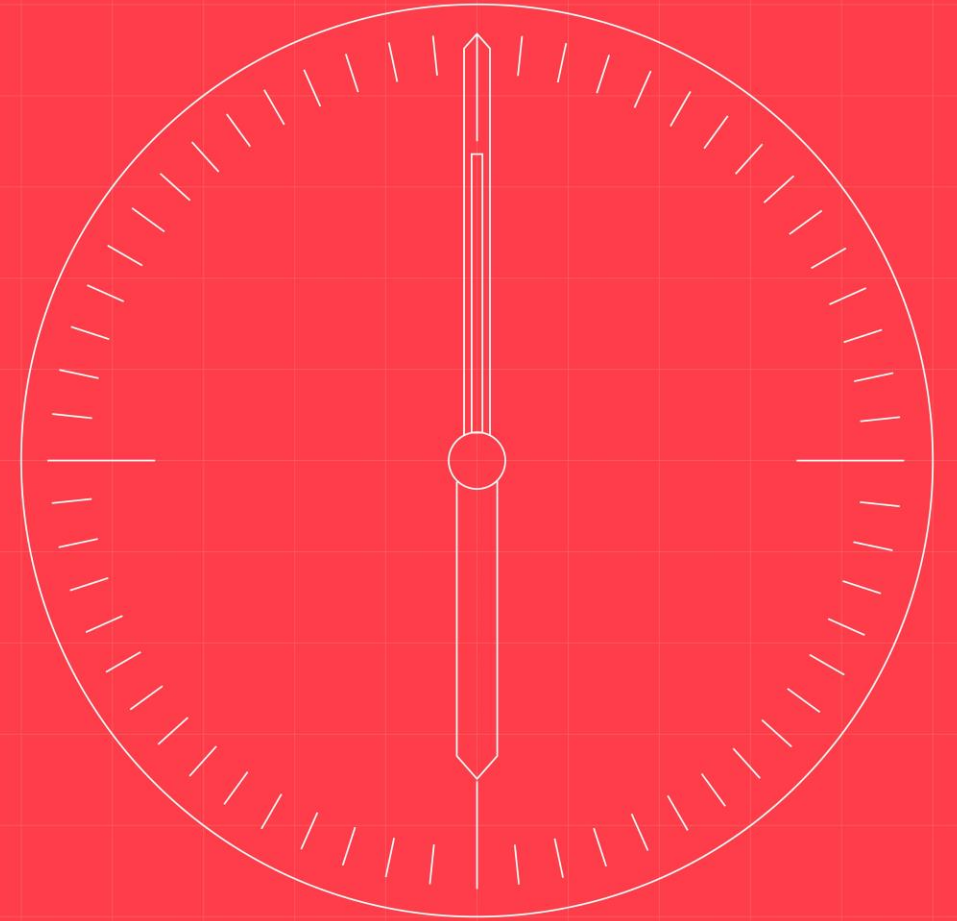
- SIT CIT Batch 3 (Intervals 5 and 6) test cases were issued 09-Nov. These test cases cover Suppliers, Licensed Distributed System Operators, Unmetered Supplies Operators, Unmetered Supplies Data Service, Registration Service, and the Electricity Enquiry Service.
- Having completed a round of reviews and updates, with Interval 5 and 6 participants, on 07-Dec the programme requested SITWG recommendation for eTMAG approval.
- On the basis of the SITWG recommendation, the programme would like to present these test cases for TMAG approval.
- **Decision:** We would like to request TMAG approval of the SIT CIT Batch 3 (Intervals 5 and 6) test cases.

SIT Functional Test Scenarios and Test Cases Delivery Plan

INFORMATION: Update on the SIT Functional Test Scenarios and Test Cases Delivery Plan

Programme (Kevin Davis)

10 mins



SIT Functional Test Themes Update – Revised Delivery Plan

2023

2024

Nov

Dec

Jan

Feb

2024

Content Review (Themes 1,2,3,4,5)

Nov 1 - Nov 29

Themes 1,2,3,4,5 - SITWG Papers Nov 30

December SITWG Dec 7

TMAG Papers Dec 13

December TMAG Dec 20

December
TMAG

Content Review (Themes 6,7,9)

Nov 13 - Dec 22

Themes 6,7,9 - SITWG Papers Dec 22

January SITWG Jan 4

TMAG Papers Jan 10

January TMAG Jan 17

January
TMAG

Content Review (Themes 8+ Coverage Gaps)

Jan 2 - Jan 30

Theme 8 + Coverage Gaps - SITWG Papers Jan 31

February SITWG Feb 7

TMAG Papers Feb 14

February TMAG Feb 21

February
TMAG

Review Themes

1. New Connections
2. Change of Registration Data
3. Change of Supplier
4. Change of Data Service
5. Change of Meter Service
6. Meter Changes
7. Consumption
8. Settlement
9. ISD

Theme-Based Delivery Approach

- Oct 2023: New and more efficient approach to test scenario and test case content delivery; “full stack” artefacts organised by Themes.
- Oct to Nov 2023: Deep dive sessions with industry to identify and resolve any systemic defects.

Revised Delivery Plan

- Reduced number of December TMAGs.
- Need to reduce overhead on participants.
- Settlement Testing deferred to Cycle 2; requires level of proven functional stability in key areas; critical central features not available in cycle 1.
- Coverage gap analysis – mop up of additional test cases required.

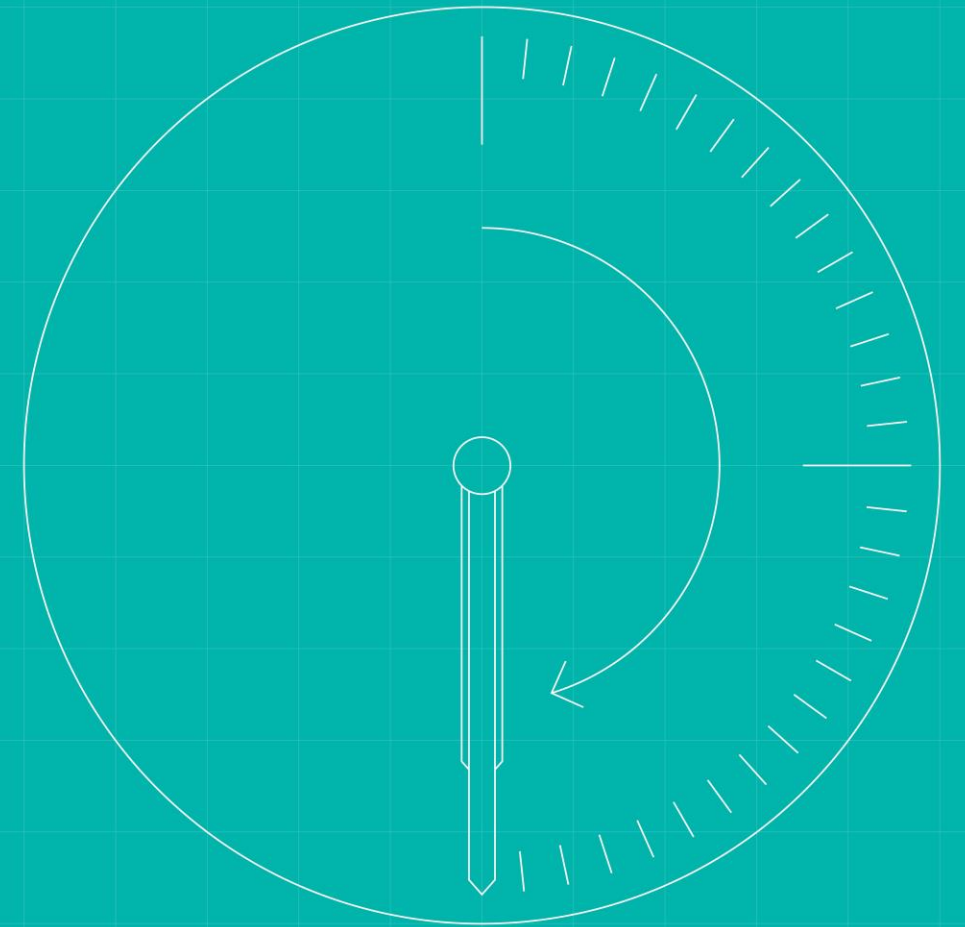
- **20-Dec TMAG:** *Themes 1-5 (New Connections, Change of Registration Data, Change of Supplier, Change of Data Service, Change of Meter Service)*
- **17-Jan TMAG:** *Themes 6,7,9 (Metering Changes, Consumption, ISD).*
- **21-Feb TMAG:** *Theme 8 (Settlement), plus coverage gaps.*

SIT Functional Test Scenarios and Test Cases (Themes 1 – 5)

DECISION: Approval of the SIT Functional Test Scenarios and Test Cases, following SITWG recommendation

Programme (Kevin Davis)

5 mins



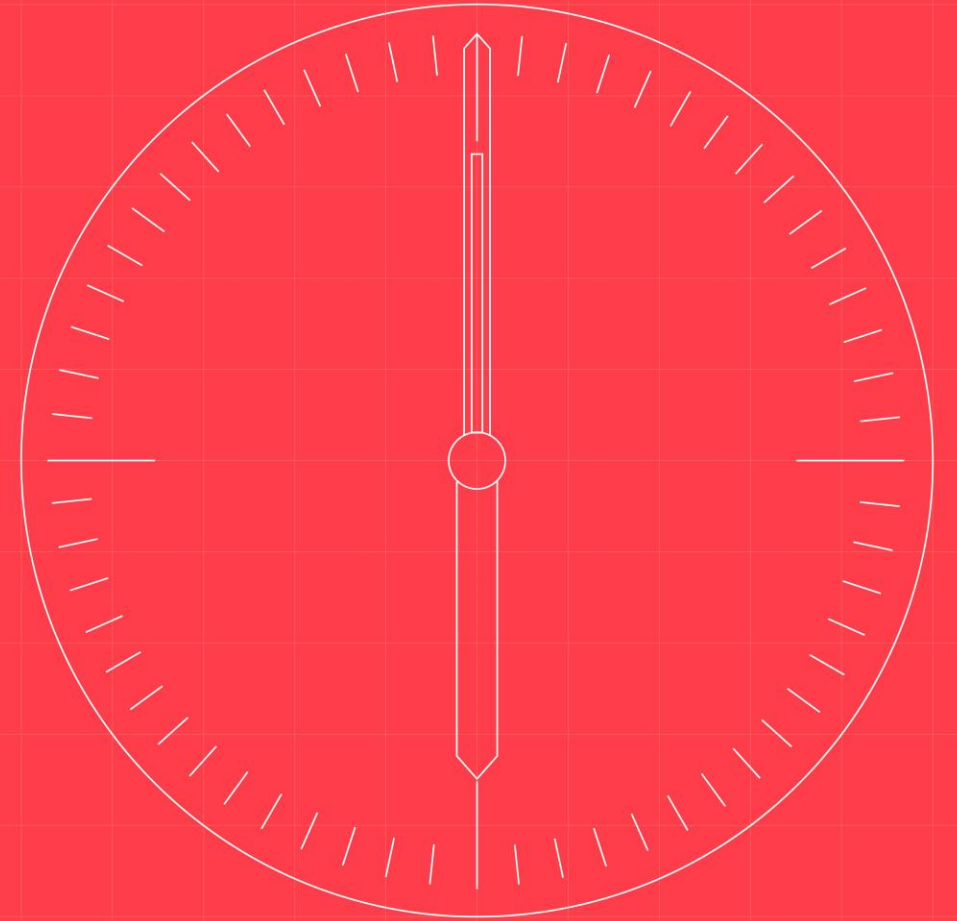
- We have completed a round of reviews and updates for the following themes:
 - 1 - New Connections
 - 2 - Change of Registration Data
 - 3 - Change of Supplier
 - 4 - Change of Data Service
 - 5 - Change of Meter Service
- A final approval candidate was issued to PPs 30-Nov.
- Further update issued to address queries raised within, and beyond, batch review windows; bilaterals conducted to expedite closure.
- The programme received 07-Dec SITWG recommendation for TMAG approval, subject to additional review time (extended to 12-Dec), and the absence of any open blocking issues.
- **Decision:** We would like to request TMAG approval of Themes 1 to 5 SIT Functional Test Scenarios and Test Cases.

Release Management and Change Freeze Update

INFORMATION: Update on the cadence of major and minor releases and change freeze

Programme (Lee Cox)

15 mins



Major Releases, Minor Releases, Adhoc Releases and Emergency Releases

Background

- SIT A Test Environment will support SIT Functional Testing
- SIT B Test Environment will support SIT Migration, Non-Functional and Operational Testing
- 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.
- From the point SIT Migration Test commences, and SIT A and SIT B are in use, Release Management will co-ordinate alignment of Builds across both Test Environments

Major Releases

- Forecast ahead of time
- Will be predominantly based on Design Baseline uplifts i.e. Resolved DINs + Change Requests
- The target Design Release Publish date will precede the deployment into SIT by circa 5 Months
 - Allowances need to be retained to enable future releases to remain in step with Design Changes being made within Test Programme, therefore between the IR Design Publish date and Deployment Date, alignment updates should be expected

	Defect found in test impacting Design		Defect found in test impacting Design		Defect found in test impacting Design		SIT Functional Cycle 1 concludes
IR5.1 in test	Uplift to IR5.2		Uplift to IR5.3		Uplift to IR5.4		In Test – IR5.4
IR7 published as next Major Release		Retrofit 5.2 change – Publish IR7.1		Retrofit 5.3 change – Publish IR7.2		Retrofit 5.4 change – Publish IR7.3	Due for Release - IR7.3

- Major Releases will be planned during at least the first 2 SIT Functional Maintenance Windows
 - At this point (Q4 2023) the Programme will not plan any Major Releases beyond this date, but withholds the right to add further Major Releases at a later date

Minor Releases

- Minor Releases planned on a weekly basis (current view is Monday AM for Central Systems)
- Content of Minor Releases can include:
 - Predominantly Defect Fixes (that have been successfully PIT Tested and documented within RFCs)
 - Uplift to IR Design e.g. IR5.1 uplift to IR5.2
 - Small Changes (as agreed via implementation plan for CR)

Patch Releases

- When fixes are required outside the weekly cadence of Minor Releases, through controlled Release Management, these can occur

Emergency Release

- Testing is severely impaired/blocked, and changes/workarounds required asap to restart

Jul 15 - Sep 6

Interim Design Releases

Background

- Fast-Track change progress was introduced to manage the large volume of updates to the design
- These updates addressed errors, ambiguities and added needed clarifications.
- These updates were issued via Interim Releases as published in the DIN Log
- The timetable for the release is a monthly cadence with a release plan running out to April 2024.
- The last Interim Release is IR6 published on 01-Nov-23

Proposed Interim Release Alignment with Testing

- We will be reducing the cadence of future releases to better align with testing cycles
- Interim Release 7 will now move to 31-Jan 24 and form the input into SIT functional test cycle 2 (June 24)
- Interim Release 8 will now move to 03-Apr-24 and form the input into SIT functional test cycle 3 (Aug 24)
- Programme Change Requests will continue with the updates to design documents now falling into the revised IR schedule

Acknowledgements

- There has been and will be a need to continue to issue minor increments to Interim Releases as a consequence of testing defects. Recent examples being IR2.1 and IR5.1 The Programme is aware of the challenges of maintaining a clear and consistent view of which version of the design participants are building to and executing
- The Programme will endeavour to provide as much time as possible with clear guidance to updates but recognise this will become increasingly challenging as we approach a new testing cycle

Next Steps

- The DIN log will be updated to reflect the new timeline and will continue to be published at regular intervals
- Additional information will be added to the DIN log to capture where a DIN relates to a defect from testing
- Objection windows will remain and be updated to reflect the new schedule with the exception of testing defects as they are needed to allow testing to progress.
- The Programme will focus on those DINs that impact on our ability to proceed to future milestones or go-live. Other non-urgent DINs will be logged but scheduled for post go-live
- The Programme is proposing a Change Freeze that will be presented to the next PSG 06-Dec-23

Today

Test Programme

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

Mar 11 - May 24 SIT Functional Cycle 1

May 27 - Jun 7 Maintenance Window

Jun 10 - Aug 16 Cycle 2

Aug 19 - Aug 30 Maintenance Window

Sep 2 - Oct 18 Cycle 3

Oct 21 - Nov 1 Maintenance Window

Nov 1 Code Freeze

Nov 4 - Jan 3 Regression

Jun 10 - Apr 4 SIT Migration

Sep 2 - Apr 4 SIT Non-Functional

Oct 7 - Apr 4 SIT Operational

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

Major Releases

23 Oct '23 SIT A: Major Release 1 - IR2.1

Oct 17 IR5.1 Published

Nov 1 IR6 Published

Mar 4 SIT A: Major Release 2 - IR5.1

Jan 31 IR7 Published

May 27 SIT A: Major Release 3 - IR7 (including IR6)

Jun 3 SIT B: Major Release 3 - IR7 (including IR6)

Apr 3 IR8 Published

Aug 19 SIT A : Major Release 4 - IR8

Aug 27 SIT B: Major Release 4 - IR8

IHHS PROGRAMME

Industry-led, Elexon facilitated

Minor

Context: Instability during Programme delivery, implementation and go-live creates risk for the Programme, Code Bodies and Programme participants.



Objective and solution: Stability needs to be created by increasing change thresholds for change that impacts the MHHS Programme until after go-live and in some cases until after Migration completion*.

The Programme will achieve this by enacting a **Change Freeze**.

*(Informally within the energy industry change freeze is often known as 'Code Freeze')

Change Freeze Assessment

How will Change be assessed during this Change Freeze?

Milestone	Target Operating Model (TOM) Change Status	External Changes that impact the MHHS TOM	External Changes that have no impact on the MHHS TOM
Pre-M9	Changes accepted to improve the Design.	Need a Programme Change Request (CR) to implement.	No impact.
Post M9	Design changes are only accepted if without which the system would not work. "Nice to haves" will go into the backlog. Only Severity 1 and Severity 2 defects, that impact a Design artefact, are facilitated post M9 pre M10. Any Severity 3 or Severity 4 Defects that have Design implications will be placed into the Design Backlog.*	Need a Programme CR to confirm impact, and assessment as whether it meets "TOM deficiency" threshold. Or are strategically important that Ofgem accepts the impact on the MHHS timetable.	No impact.
Post M6	Design Change as above, but extended to Code Changes so they must meet the deficiency in the Code threshold	Need a Programme CR to confirm impact, and assessment as whether it meets to "TOM deficiency" threshold. Or are strategically important that Ofgem accepts the impact on the MHHS timetable.	No Impact.
Post M8 and M10	Design changes are Business As Usual (BAU) (with relevant Code Body) unless they impact the migration process. Same for Code Changes.	Design Changes are BAU with relevant Code Body unless they impact the migration process. Same for Code Changes. A Programme CR impact assessment is required against the migration process.	No impact.
Post M15	All Changes are BAU.	All Changes are BAU.	No impact.

*Note – Severity 3 and Severity 4 Defects found in testing (that do not have implications on Design) will be expected to be resolved to enable Participants to exit SIT within defined Defect thresholds.

External Changes

- Ofgem supports the need for a Change Freeze:
 - Ofgem will make decisions on whether to approve external changes that may impact the MHHS TOM.
 - Ofgem will also be required to approve Programme decisions that are over a Level 1 threshold.
 - The Programme will continue to meet with Ofgem regularly on any license changes that may impact the Programme.
- All electricity Code Bodies will continue to engage MHHS Programme for all changes which may impact the Programme via Cross Code Advisory Group (CCAG) (and bilaterally).

Internal Changes

- Programme change is centrally managed by the Programme Change Management Approach via the Change Board and coordinated via the CCAG Horizon Scanning process.
- The MHHS Change Board will continue to oversee all Changes to ensure cross-Programme impact is understood.
- Defects and Design Issue Notifications (DINs) raised by Programme participants during Testing. The Programme will focus on those DINs that impact on our ability to proceed to future milestones or go-live. Other non-urgent DINs will be logged but scheduled for post go-live.

Change Freeze – Communications

The Programme will ensure all key stakeholders are aware of this Change Freeze:



Cascading this update and scope of Change Freeze through Programme governance (PSG, Level 3 Advisory and relevant Level 4 Workgroups)



Code Bodies to cascade the Programme Change Freeze Approach - increase in Change Thresholds - via their panels



Publishing key information through Programme Communication Channels (The Clock, Collaboration Base and MHHS website)



Engaging with Programme participants via the PPC Team through bilaterals and supporting them with their queries regarding the Change Freeze

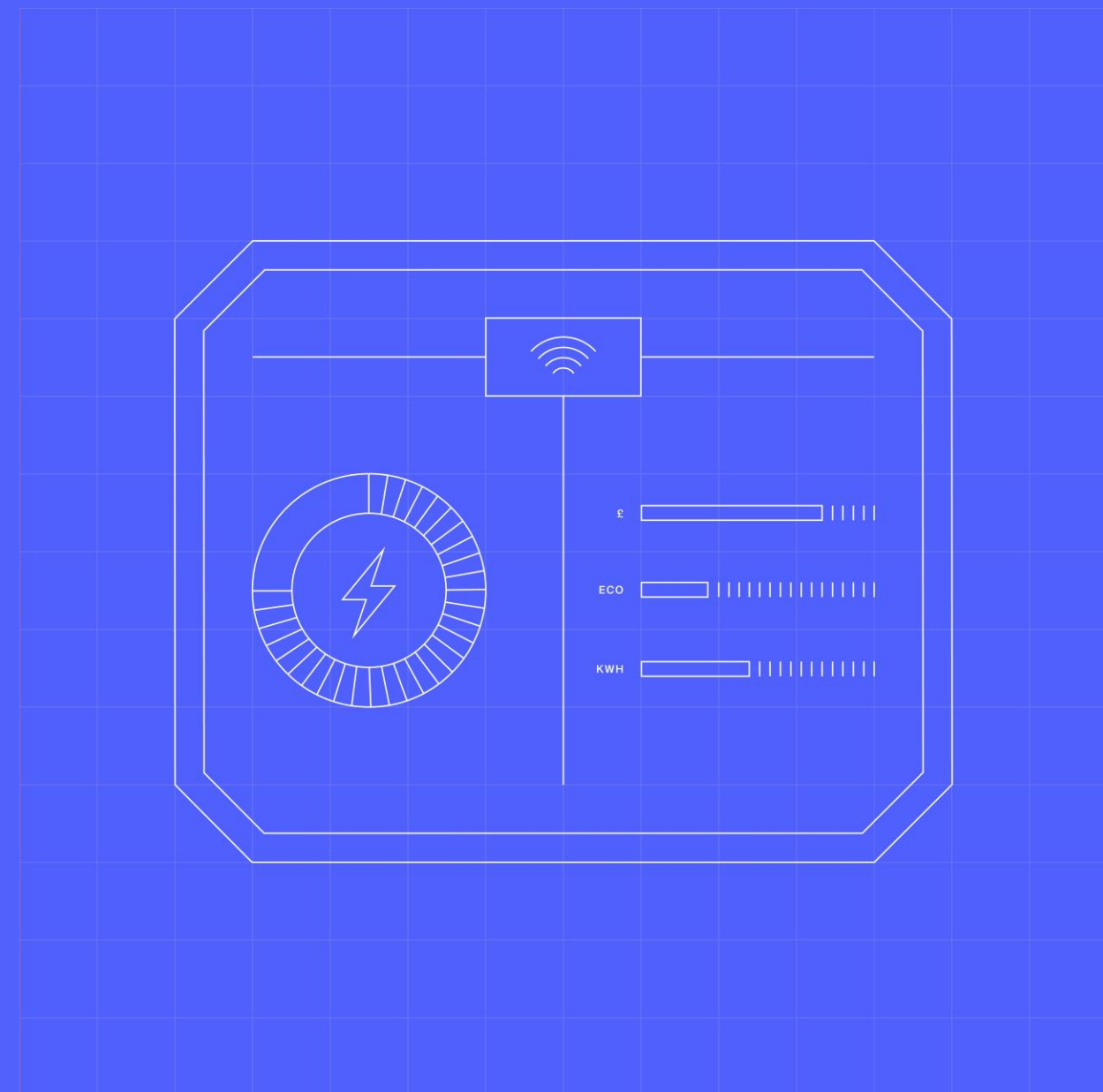
*Note a housekeeping PCR is required to update the Change Control process

CIT and Secondary Routing

INFORMATION: Update on secondary routing within CIT

Programme (Lee Cox)

15 mins



DIP Routing

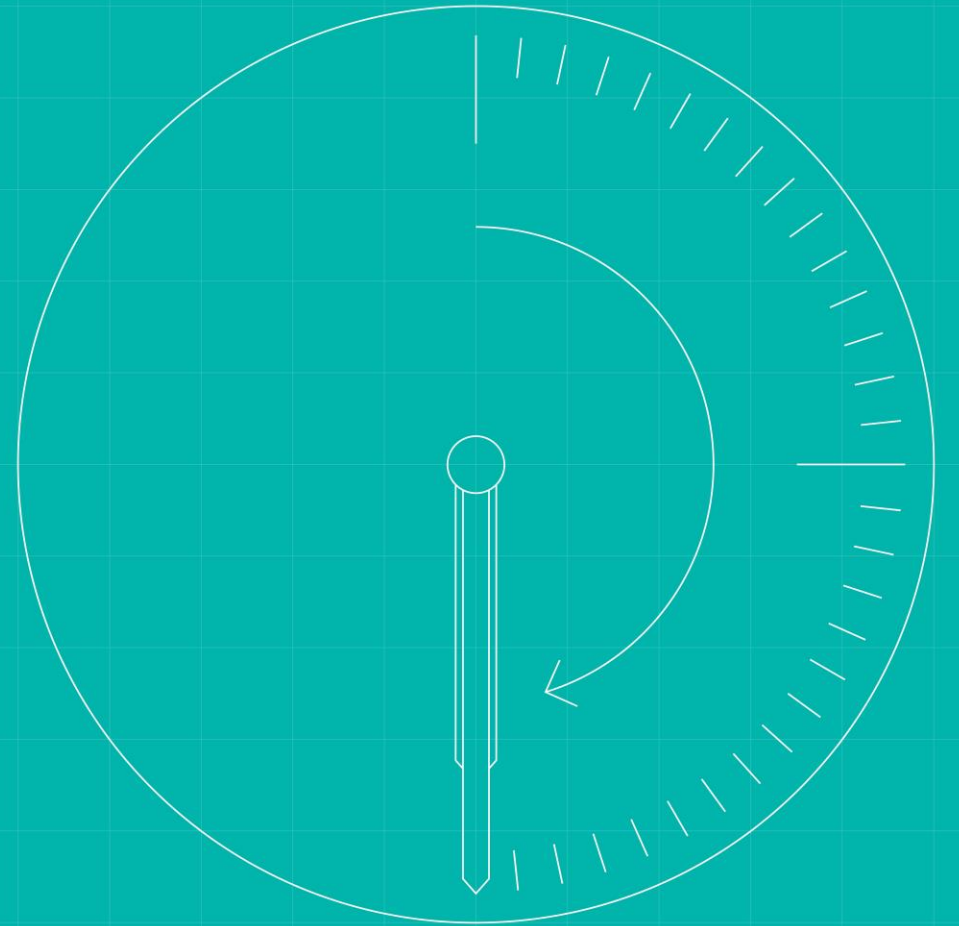
- DIP performs different types of routing – Always, Primary and Secondary Routing
- Secondary Routing further breaks down as:
 - Static Secondary Routing (routed to MDS, LSS, EES, DNOs and REGs User Roles)
 - Dynamic Secondary Routing (routed to SUPC, XDSC, XMSC, iDNOs, XDSP, SMSP User Roles)
- Dynamic Secondary Routing development will complete in line with IR5.1 for SIT Functional
- Pre-CIT test commencement, the Programme, with the knowledge Dynamic Secondary Routing was not fully developed, assessed sufficient capability existed to support the simplistic nature of CIT Tests
- We now know, through CIT Test execution, that Secondary Routing is impacting a wider range of messages. As such, the Programme is planning on a slightly different approach to CIT:
 - CIT will continue as planned, with PPs concluding CIT having exercised all their relevant IF and PUB messages
 - Tests that utilise Secondary Routing to PPs that should successfully receive the associate PUB, but do not, will be subject to a standard raising of a Defect
 - Tests that utilise Secondary Routing to PPs that encounter expected Secondary Routing errors, will result in Tests passing with Observations (Observation being Secondary Routing error encountered). No Defect will be raised
 - In this instance, a workaround message will be sent to the PP utilising the CIT Test Stub, setting the relevant PP as Primary Routed
 - This will be done at least for each PUB, but not for each permutation of each PUB
 - Additionally, the Programme has reviewed Test scope, removing multiple iterations of the same test that may be subjected to the same Secondary Routing errors. This has reduced CIT Test scope by circa 66%
- The Programme recognises this carries a risk into SIT Functional Testing. To mitigate this the Programme plans to introduce additional testing in between completion of CIT and start of SIT Functional, where the SI Test team, with the CIT Test Stub, on the uplifted IR5.1 DIP Environment, will exercise the Secondary Routing capability deferred from CIT

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:

- Qualification Updates, including:
 - SIT Party Qualification
 - Pre Qualification Submission
 - Placing Reliance

- BSC & REC Assessment Criteria

- LDSO Qualification Testing Approach

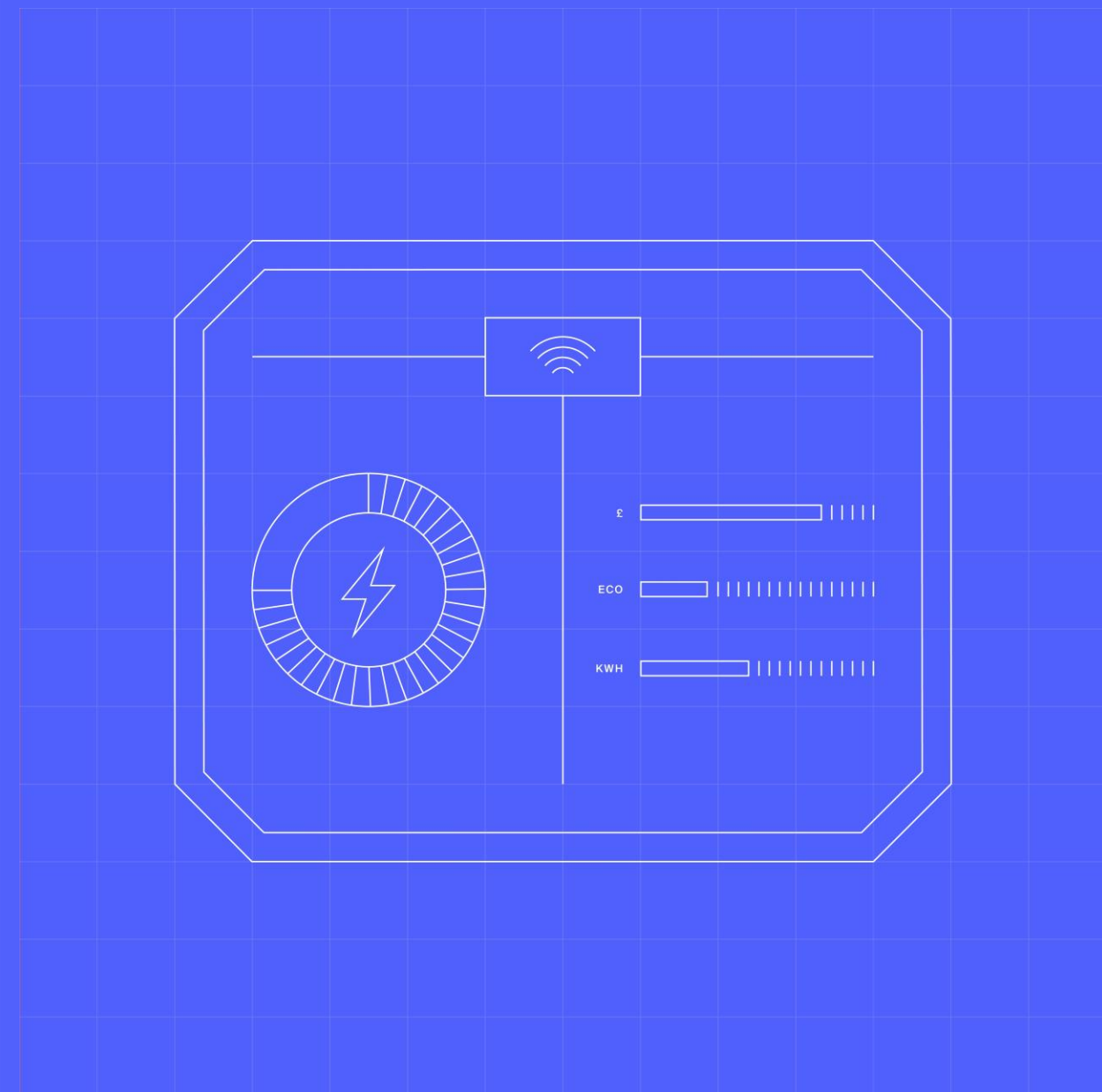
- Sandbox Proposal Update

IPA Test Assurance Period 2

INFORMATION: IPA Test Assurance Period 2
Update

IPA

5 mins



Status as at 13 December 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 agreed in total (7 open)**
- **P2: 32 actions agreed in total (20 open)**
- **P3 (Interval 3): 7 actions agreed in total (6 open)**

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

 In Progress: 31/64

 Completed: 33/64

Of those currently in progress, three are overdue. Good progress has been made on these, but final updates and validation are required to close them. One relates to the version alignment of design information, and two need detail following the update to the CIT approach.

SIT-CIT - ongoing assurance activity

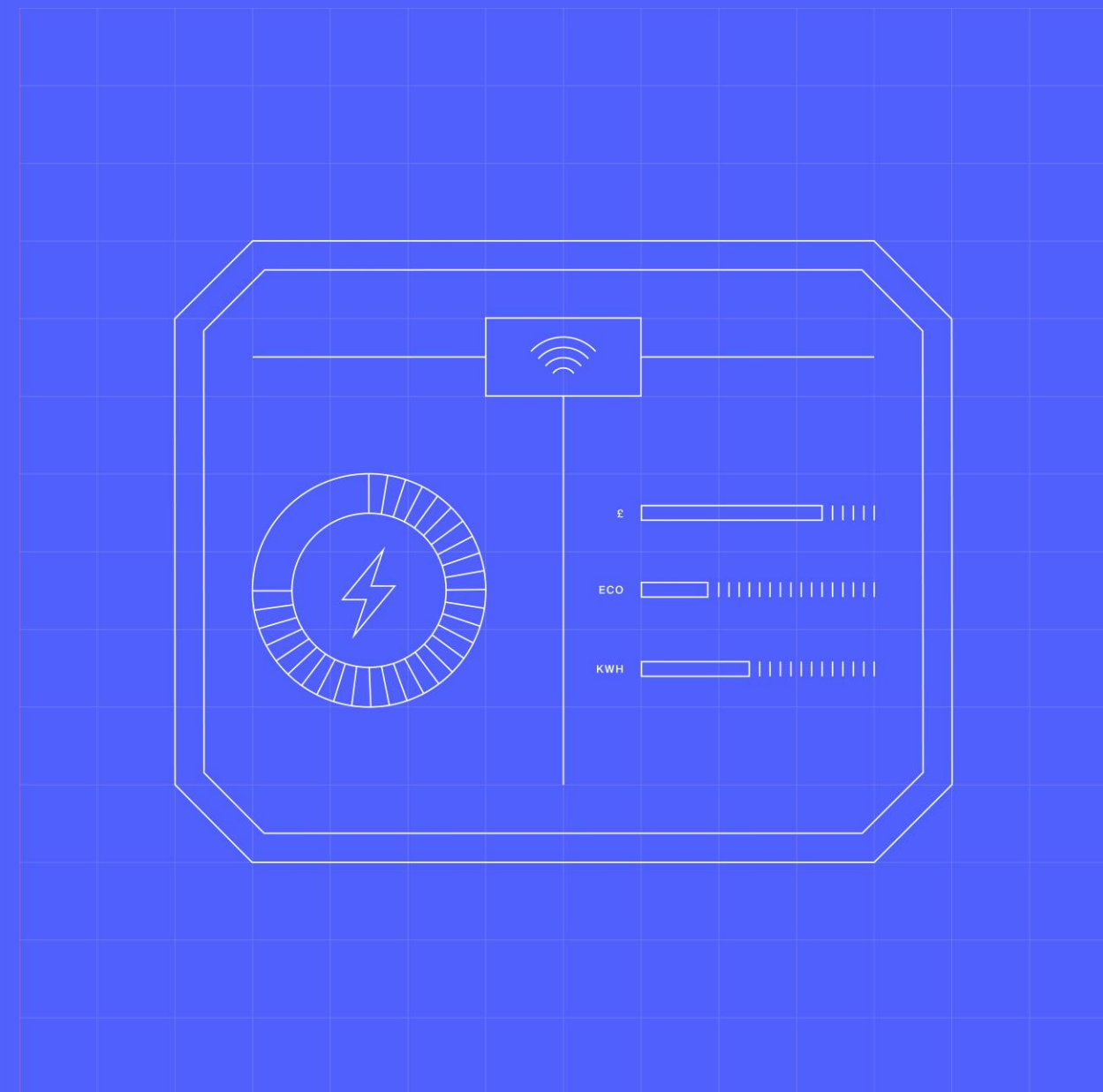
- We have completed 2 readiness reports for CIT Intervals 3 and 4 that have been presented at FTIG to share IPA’s view on the decision to start these Intervals.
- IPA have been working closely with SI team, providing real time assurance and recommendations to the Programme.
- Following the new approach to CIT outlined on 08 Dec FTIG, IPA are in discussion with LDP to agree the best approach to provide assurance the remaining CIT activities.

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

- The non-SIT LDSO and qualification testing activities are being reviewed and this will continue into the next period as they are integrated into the Programme Plan. Work has commenced with the Programme team and Code Bodies to review key activities and timelines. This activity is contingent on the approach being agreed with Industry Participants
- Following approval of CR35 (TMAG restructuring) at PSG on 06/12/23 the plan will be updated to reflect these changes and new milestone ownership between the newly formed SITAG and MCAG
- 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 13/12/23 (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 06/12/23	Current RAG 13/12/23	Forecast RAG 20/12/23	Commentary
T3-TE-0067	TMAG	E2E Sandbox Guidance approved	Fri 04/08/23	Fri 04/08/23	SI Test				Red because a waiting programme decision on Sandbox
T3-TE-0098	TMAG	PPs Register PKI Officers and request PKI certificates Complete - Interval 2	Fri 20/10/23	Wed 22/11/23	PP				Red because only 1 PP has successfully registered their PKI Officers; received their PKI certificates; set-up validation complete; end point creation complete; and completed controlled smoke test. The other PP is currently in Step 4 of E2E onboarding
T3-QU-0063	BSC PAB & REC Manager	Functional Testing elements of Qualification Approach & Plan approved by REC Manager & BSC PAB	Tue 31/10/23	Tue 31/10/23	Code Bodies				Red because a review of the approach is being undertaken by the programme with the code bodies
T3-DB-0169	TMAG	All SIT Suppliers Test scenarios' MHHS Review Completed	Thu 02/11/23	Fri 05/01/24	SI Test				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 Report
T3-DB-0173	TMAG	All Network Operation RTTMs MHHS Review Completed	Thu 02/11/23	Fri 05/01/24	SI Test				Red because open comments still outstanding. Assurance reviews complete. Review will be completed no later than 08/01/24 ahead of Interval 5 Readiness Report
T3-DB-0174	TMAG	All Network Operation test scenarios' MHHS Review Completed	Thu 02/11/23	Fri 05/01/24	SI Test				Red because open comments still outstanding. Assurance reviews complete. Review will be completed no later than 08/01/24 ahead of Interval 5 Readiness Assessment
T3-DB-0168	TMAG	All SIT Suppliers RTTMs MHHS Review Completed	Fri 03/11/23	Fri 05/01/24	SI Test				Red because open comments still outstanding. Assurance reviews complete. Review will be completed no later than 08/01/24 ahead of Interval 5 Readiness Report

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 13/12/23 (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 06/12/23	Current RAG 13/12/23	Forecast RAG 20/12/23	Commentary
T3-DB-0114	TMAG	DIP PIT Completion Report (Interim Release 2) MHHS Review Completed	Mon 06/11/23	Mon 08/12/23	SI Test	Red	Blue	Grey	
T3-TE-0099	TMAG	PPs Register PKI Officers and Request PKI certificates Complete - Interval 3	Fri 10/11/23	Fri 10/11/23	PP	Red	Red	Red	Red because 8/10 PPs have not completed the 4 step E2E onboarding. 2 completed Smoke Test & are in execution. 4 are in Smoke test. 3 waiting to start and 1 yet to complete onboarding. Issue resolution continues
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
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	Red	Red	Red	Red because not all test approach and plans received. Escalated at FTIG and PSG
T3-DB-0068	TMAG	DCC Test Approach & Plan (PIT)s submitted to Programme for assurance	Fri 17/11/23	Fri 17/11/23	PP	Red	Red	Red	Red because not received. Currently no impact.
T3-TE-0100	TMAG	PPs register PKI Officers and Request PKI Certificates Complete - Interval 4	Fri 24/11/23	Fri 24/11/23	PP	Red	Red	Red	Red because only 2 PPs are ready to start smoke test, the rest are at the early stages of onboarding. Close monitoring in place. DIP surgeries in place. Completion date unknown
T3-DB-0120	TMAG	EES RTTM MHHS Review Completed	Thu 30/11/23	Thu 30/11/23	SI Test	Red	Red	Red	Red because Assurance conducted. Comments issued and a waiting response. No impact. No action

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 13/12/23 (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 06/12/23	Current RAG 13/12/23	Forecast RAG 20/12/23	Commentary
T3-DB-0121	TMAG	EES Test scenarios MHHS Review Completed	Thu 30/11/23	Thu 30/11/23	SI Test	Red	Red	Red	Red because Assurance conducted. Comments issued and a waiting response. No impact. No action
T3-DB-0179	TMAG	All UMSO Test scenarios' MHHS Review Completed	Thu 30/11/23	Thu 30/11/23	SI Test	Red	Red	Red	Red because assurance review conducted, but outstanding comments to be addressed
T3-DB-0091	TMAG	SIT Functional PIT RTTM submitted to Programme for assurance	Thu 07/12/23	Thu 07/12/23	PP	Red	Red	Red	Red because not received. Adds risk to SIT Functional. No action until test approach and plan received
T3-DB-0089	TMAG	SIT Functional PIT test scenarios submitted to Programme for assurance	Thu 07/12/23	Thu 07/12/23	PP	Red	Red	Red	Red because not received. Adds risk to SIT Functional. No action until test approach and plan received
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	Red	Red	Red because not all received. No impact as of yet. No action
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	Red	Red	Red because not all received. No impact as of yet. No action
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 20/12/23	SI Test	Red	Red	Red	Red because TMAG date has moved from 8/12 to 20/12 due to reduction in Dec TMAGs. No impact. No action
T3-TE-0097	TMAG	Test Data - Population of Data Items for Testing Guidance - Final Complete	Fri 08/12/23	Fri 15/12/23	SI Test Data	Green	Red	Blue	Red because we needed to provide the SRO 5 more working days to review. No impact. No action
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	Yellow	Red	Red	Red because not all received yet. No impact. No action
T3-TE-0101	TMAG	PPs register PKI Officers and Request PKI Certificates Complete - Interval 5	Fri 08/12/23	Fri 08/12/23	PP	Red	Red	Red	Red because PPs generally are in the early stages of onboarding. Close monitoring in place. DIP surgeries in place. Completion date unknown
T3-TE-0077	TMAG	Test Data (SITA) Interval 5 Complete	Fri 08/12/23	Fri 15/12/23	SI Test	Green	Red	Blue	Red because PPs required additional time due to some data changes required. No impact. Action to follow-up with PPs for la test progress

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 13/12/23 (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 06/12/23	Current RAG 13/12/23	Forecast RAG 20/12/23	Commentary
T3-TE-0102	TMAG	PPs register PKI Officers and Request PKI Certificates Complete - Interval 6	Fri 08/12/23	Fri 08/12/23	PP	Yellow	Red	Red	Red because 3 PPs are in the early stages of the onboarding process
T3-TE-0063	TMAG	Component Integration Testing Interval 4 Start	Mon 11/12/23	Mon 11/12/23	SI Test	Green	Blue	Grey	Complete noting a work-off plan and revised CIT Approach being taken to Dec TMAG
T3-DB-0115	TMAG	DCC Test Approach & Plan (PIT) MHHS Review Completed	Fri 15/12/23	Fri 15/12/23	SI Test	Green	Yellow	Red	Amber because assumed will be missed
T3-DB-0074	TMAG	DCC RTTM s submitted to Programme for assurance	Fri 15/12/23	Fri 15/12/23	PP	Yellow	Yellow	Red	Amber because of late delivery of PIT approach and plan. No impact. No action
T3-DB-0078	TMAG	DCC test s scenarios submitted to Programme for assurance	Fri 15/12/23	Fri 15/12/23	PP	Yellow	Yellow	Red	Amber because of late delivery of PIT approach and plan. No i mpact. No action
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)	Green	Green	Blue	
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	Green	Green	Blue	
T3-TE-0018	TMAG	SIT Migration Testing Test Approach & Plan approved	Wed 20/12/23	Wed 20/12/23	SI Test	Green	Green	Blue	
T3-MI-0022	TMAG	Acceptance criteria for M15 agreed at TMAG	Wed 20/12/23	Wed 20/12/23	SI Migration	Green	Green	Blue	
T3-DB-0171	TMAG	All SIT Suppliers PIT Completion Reports MHHS Review Completed	Fri 22/12/23	Fri 22/12/23	SI Test	Green	Yellow	Yellow	Amber because not all arte facts received. No impact. No action
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	Green	Yellow	Yellow	Amber because not all arte facts received. No impact. No action

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 13/12/23 (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 06/12/23	Current RAG 13/12/23	Forecast RAG 20/12/23	Commentary
T3-TE-0078	TMAG	Test Data (SITA) Interval 6 Complete	Fri 22/12/23	Fri 22/12/23	SI Test	Green	Green	Green	
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	Green	Green	Green	
T3-DB-0122	TMAG	EES PIT Completion Report submitted to Programme for assurance	Fri 05/01/24	Fri 05/01/24	PP	Green	Green	Green	
T3-DB-0180	TMAG	All UMISO PIT (CIT interval 6) Completion Reports submitted to Programme for assurance	Fri 05/01/24	Fri 05/01/24	PP	Green	Green	Green	
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	Green	Green	Green	
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	Green	Green	Green	
T3-DB-0139	TMAG	All SIT Functional Test approach and plans MHHS Reviews Completed	Thu 11/01/24	Thu 11/01/24	SI Test	Yellow	Yellow	Yellow	Amber because not all test approach and plans received.
T3-TE-0064	TMAG	Component Integration Testing Interval 5 Start	Mon 15/01/24	Mon 15/01/24	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	Yellow	Yellow	Amber due to late delivery of artefact for review
T3-DB-0141	TMAG	All SIT Functional Test scenarios' MHHS Reviews Completed	Thu 18/01/24	Thu 18/01/24	SI Test	Green	Yellow	Yellow	Amber due to late delivery of artefact for review
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 UMISO PIT (CIT interval 6) Completion Reports MHHS Review Completed	Fri 19/01/24	Fri 19/01/24	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 13/12/23 (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 06/12/23	Current RAG 13/12/23	Forecast RAG 20/12/23	Commentary
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	Yellow	Yellow	Yellow	Amber because of late delivery of PIT approach and plan. No impact. No action
T3-DB-0117	TMAG	DCC Test Scenarios MHHS Review Completed	Fri 26/01/24	Fri 26/01/24	SI Test	Yellow	Yellow	Yellow	Amber because of late delivery of PIT approach and plan. No impact. No action
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 25/12/23	Code Bodies	Green	Green	Green	
T3-DB-0098	DAG	Interim release 7 Go live	Wed 31/01/24	Wed 31/01/24	SI Design	Green	Green	Green	
T3-TE-0103	TMAG	SIT Functional Connectivity Proving Complete	Fri 02/02/24	Fri 02/02/24	SI Test	Green	Green	Green	
T3-DB-0024	TMAG	DCC PIT Completion Report submitted to Programme for assurance	Fri 09/02/24	Fri 09/02/24	PP	Green	Green	Green	
T3-DB-0087	TMAG	All SIT Functional PIT Completion Reports submitted to Programme for Assurance	Fri 09/02/24	Fri 09/02/24	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 13/12/23 (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 06/12/23	Current RAG 13/12/23	Forecast RAG 20/12/23	Commentary
T3-DB-0143	TMAG	All SIT Migration PIT Test Approach & Plans submitted to Programme for assurance	Fri 16/02/24	Fri 16/02/24	PP				
T3-TE-0071	TMAG	SIT Migration Testing Test Scenarios Approved	Wed 21/02/24	Wed 21/02/24	SI Test				
T3-DB-0118	TMAG	DCC PIT Completion Report MHHS Review Completed	Fri 23/02/24	Fri 23/02/24	SI Test				
T3-DB-0142	TMAG	All SIT Functional PIT Completion Reports MHHS Review Completed	Fri 23/02/24	Fri 23/02/24	SI Test				
T3-TE-0032	TMAG	SIT Component Integration Testing End (incl. confirmation that PPs have submitted their Test Completion Reports to Programme for assurance)	Fri 23/02/24	Fri 23/02/24	SI Test				

Key Milestones Change at 13/12/23

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

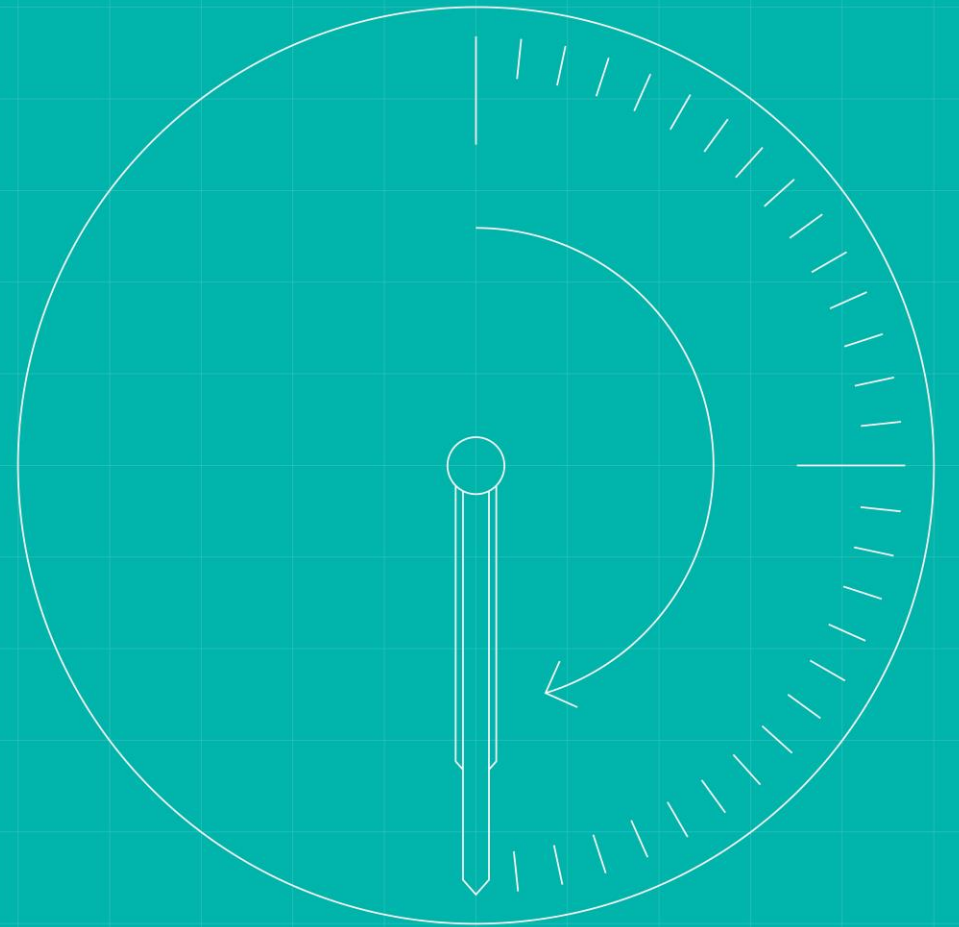
Milestone ID	Responsible	Change Type	Milestone Title	Baseline Date	Forecast Date	Previous RAG 06/12/23	Current RAG 13/12/23	Forecast RAG 20/12/23	Commentary
T3-TE-0015	SI Test	Name Change	SIT Functional Testing Test scenarios approved	Fri 08/12/23	Fri 08/12/23	Red	Red	Blue	Red because 8/12 TMAG moved to 20/12 due to reduction of Dec TMAGS. Name change to SIT Functional Testing Test scenarios (themes 1-5) approved
TBC	SI Test	New	SIT Functional Testing Test scenarios (themes 6,7,9) approved	Wed 17/01/24	Wed 17/01/24	Grey	Grey	Green	New milestone to go to 20/12 TMAG for approval. Added because of new delivery approach for SIT functional artifacts
T3-TE-0070	SI Test	Name Change	SIT Functional Testing Test cases approved	Wed 17/01/24	Wed 17/01/24	Green	Green	Green	Name change to SIT Functional Testing Test Cases (themes 1-5) approved
TBC	SI Test	New	SIT Functional Testing Test cases (themes 6,7,9) approved	Wed 17/01/24	Wed 17/01/24	Grey	Grey	Green	New milestone added because revised delivery approach for SIT Functional
T3-BC-0010	SI Design	Date Change	Service Management Strategy approved	Fri 19/01/24	Wed 21/02/24	Yellow	Red	Green	Red because can't complete by baseline due to agreed delay & prioritising migration thresholds work. No impact between this completing & subsequent internal Elexon service design work starting (can start now) Date change to reflect this
T3-TE-0079	SI Test Data	Name Change	Cycle 1 Test data (SIT A) Complete	Fri 09/02/24	Fri 09/02/24	Green	Green	Green	Name change to 'Cycle 1 - PP's confirmation that test data is ready for SIT Functional'
TBC	SI Test	New	SIT Functional Testing Test cases (theme 8) approved	Wed 21/02/24	Wed 21/02/24	Grey	Grey	Green	New milestone added because revised delivery approach for SIT Functional
TBC	SI Test	New	SIT Functional Testing Test scenarios (theme 8) approved	Wed 21/02/24	Wed 21/02/24	Grey	Grey	Green	New milestone to go to 20/12 TMAG for approval. Added because of new delivery approach for SIT functional artifacts
TBC	SI DevOps	New	DIP Simulator uplifted to align with Interim Release 7	Fri 22/03/24	Fri 22/03/24	Grey	Grey	Green	New milestone to reflect confirmation of Interim Release Delivery dates
TBC	SI DevOps	New	DIP Simulator uplifted to align with Interim Release 8	Fri 21/06/24	Fri 21/06/24	Grey	Grey	Green	New milestone to reflect confirmation of Interim Release Delivery dates
T3-TE-0080	SI Test Data	Name & Date Change	Cycle 2 Test data (SIT A) Complete	Fri 05/07/24	Mon 27/05/24	Red	Red	Green	Name change and date change to 'Cycle 2 - PP's confirmation that test data is ready for SIT Functional'
T3-TE-0081	SI Test Data	Name & Date Change	Cycle 3 Test data (SIT A) Complete	Fri 13/09/24	Mon 19/08/24	Red	Red	Green	Name change and date change to 'Cycle 3 - PP's confirmation that test data is ready for SIT Functional'
T3-TE-0082	SI Test Data	Name Change	Test data (SITA) Complete	Fri 25/10/24	Fri 25/10/24	Red	Red	Green	Name change to 'Regression - PP's confirmation that test data is ready for SIT Functional'

Top Programme Risks related to TMAG

INFORMATION: Update on the top Programme risks related to TMAG

Programme (PMO & Workstream Leads)

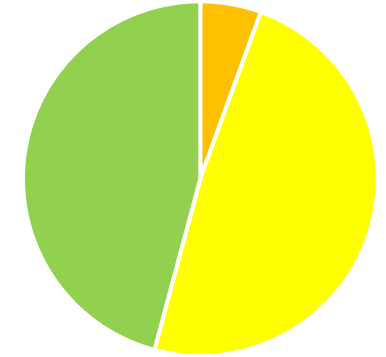
10 mins



Top Programme Risks Related to TMAG

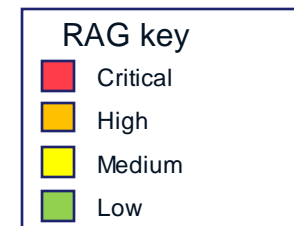
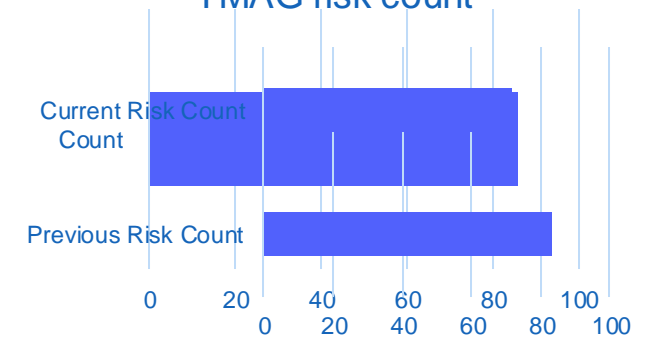
Risk/ Issue ID	Risk description	Risk impact	RAG	Mitigation
R677	There is a risk that performance testing of the migration functionality within MPRS identifies an issue that cannot be resolved in time for SIT and non-SIT LDSO Non-Functional Testing	If Performance Testing identifies that LDSO hardware 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	High	1. Early performance testing of the Change of Service Process in 2023 which has some shared functionality with Migration.
R695	There is a risk that Code Bodies will not have completed planning and preparation activities in time for S+A to commence Qualification Testing on time	Delays to starting and completing Qualification impacting the ability of Suppliers to start migration with their preferred service providers	High	1. MHHSP, Elexon and RECCo agreed R&R at a high level in PSG presentation 2. Additional resource for QAD support has been mobilised by Elexon 3. Supplier and Agent high level plan in place from Code Bodies and communicated to PSG and QWG, which needs to be monitored for delivery
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 to build these into SIT so that any testing is done in SIT and no testing is outstanding, as per Assumption A165 2. SIT Team to review Qualification material 3. Qualification Team to review SIT material 4. PSG (06/12) highlighted there has been good engagement with RECCo and how well the collaboration is currently working to mitigate this risk
R663	There is a risk that those large Supplier Agents, who support multiple large Suppliers, 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 MHH benefits.	High	1. Ensure that NFRs for migration activities are understood and committed to by all large Supplier Agents 2. Sign-off revised migration NFRs at TMAG. 3. Ensure NFR testing in SIT is robust. 4. NFR testing for each large Supplier Agent in qualification is robust. 5. Large Agents have invested in infrastructure (e.g. IT hardware and operating systems) capable of supporting NFR volumes. 6. Large Agents have operational plans and resources in place to manage migration volumes. 7. Suppliers have commercial contingencies in place to manage performance issues of Large Agents

TMAG related risks RAG



■ High risks ■ Medium risks ■ Low risks

TMAG risk count
TMAG risk count



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: 17 January 2023

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

Meeting dates	17-Jan
Relevant milestones or activities	<ul style="list-style-type: none">• Revised Qualification Plan• SIT Functional Test Scenarios and Test Cases (Themes 6,7,9)
Agenda items	<ul style="list-style-type: none">• Revised Qualification Plan• SIT Functional Test Scenarios and Test Cases• SIT Functional Test Scenarios and Test Cases (Themes 6,7,9)• SIT CIT Readiness Tracker• Qualification Update
Standing items	<ul style="list-style-type: none">• Minutes and actions review• Programme updates• Working group report• 3 Month Milestone Look Ahead & Milestone Changes• Top Programme Risks related to TMAG• 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-DEL1792 - M15 Acceptance Criteria v0.2
- Attachment 2 – MHHS-DEL1792 – M15 Acceptance Criteria v0.2 Red-Lined
- Attachment 3 – MHHS-DEL2000 CR037 - Migration Message Processing Choreography Update v0.1
- Attachment 4 – MHHS-DEL1996 Transition & Operational Readiness Working Group ToR v0.1