

Testing and Migration Advisory Group (TMAG) #20 21 June 2023

Version 1.0

Agenda

#	Item		Objective	Туре	Lead	Time	Page
1	Welcome				Chair	10:00-10:05 5 mins	
2	Minutes and actions		Approve minutes. Update on open actions, closing where appropriate	Decision	Chair and Secretariat	10:05-10:10 5 mins	3
3	Programme updates		Provide updates from L2/3 governance groups and wider Programme activity	Information	Programme PMO	0 mins	5
4	Working group report		Provide updates from discussion at the DWG, MWG, EWG, QWG, SITWG, NFTWG and MDSG	Information	Working group leads	0 mins	7
5		CIT Test Scenarios	Verbal update of the CIT Test Scenarios	Information	Lee Cox	10:10-10:15 5 mins	9
6		SIT Functional Test Scenarios	Verbal update of the SIT Functional Test Scenarios	Information	Lee Cox	10:15-10:20 5 mins	10
7	Testing	CIT and SIT Functional Test Approach and Plan	Update on the CIT and SIT Functional Test Approach and Plan	Information	Dominic Mooney	10:20-10:25 5 mins	11
8	F	Overarching Test Data Approach and Plan	Verbal update on Overarching Test Data Approach and Plan	Information	Cesar Lopes	10:25-10:30 5 mins	13
9		Working group progress • Qualification update updates		Information	Programme (Working group leads)	10:30-10:35 5 mins	14
10	IPA Test Assurance for period P1		IPA update on the activities for Test Assurance for period P1	Information	IPA	10:35-10:45 <i>10 mins</i>	16
11	Summary an	d next steps	Summarise actions/decisions and look ahead to the next TMAG	Information	Chair and Secretariat	10:45-10:50 5 mins	21
	Appendix		Data Generator – Overview				

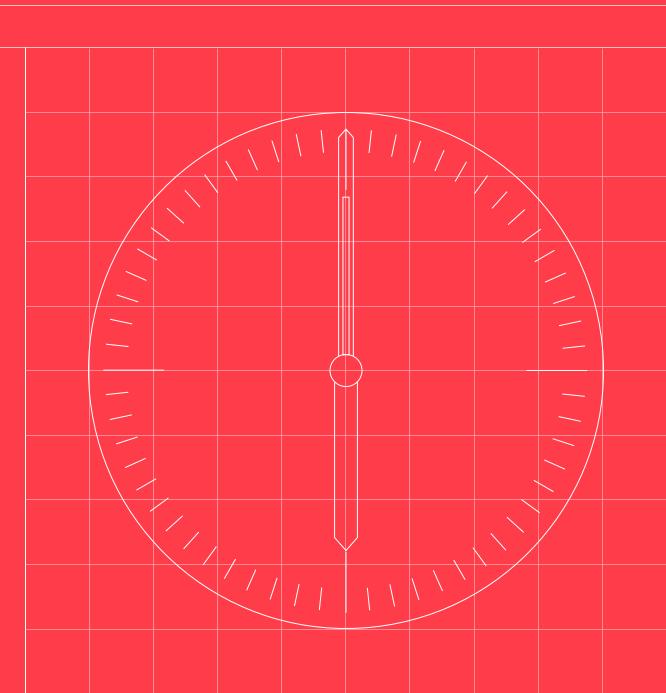


Minutes and actions

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

Chair and Secretariat





Minutes and Actions review

- 1. Approval of Minutes from 17 May TMAG & 31 May 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
TMAG18-01	17/05/23	Programme to review the RAID log risk around the allocation of Qualification tranches and the risk of suppliers in later tranches not completing migration, and share this risk with TMAG members.	Programme (Jason Brogden)	21/06/23	Recommend Closed	R281 is open in the Programme RAID: There is a risk that there may not be sufficient time for later Qualified Participants to complete their migration activities between M14 and M15.
TMAG18-02	17/05/23	Programme to respond to the Elexon Representative's query regarding the DIP onboarding process during the Testing phase.	Programme (Jason Brogden & Adrian Page)	21/06/23	Recommend Closed	This has been actioned.
TMAG19-01	31/05/23	Programme to ensure the RAID log risk around the allocation of Qualification tranches is public.	Programme (John Wiggins & Jason Brogden)	21/06/23	Recommend Closed	R525 is open in the Programme RAID: There is a risk that Suppliers with large portfolios of MPANs could be allocated to later qualification tranches as a result of the 'first come first served' approach, which would not leave enough time to migrate a large portfolio before the M15 deadline. This is now public through the dPMO.
TMAG19-02	31/05/23	Programme to produce a plan-on-a-page for the Migration deliverables (including lower-level artefacts).	Programme (John Wiggins)	21/06/23	Open	The dates are still being consolidated in the Data Cleanse Plan. Once the dates have been confirmed the Programme will produce the plan-on-a-page for Migration deliverables.
TMAG19-03	31/05/23	Programme to provide responses to participant comments on the Overarching Test Data Approach and Plan. Programme to then ask for an offline approval from Constituency Representatives for the plan.	Programme (Cesar Lopes)	21/06/23	Open	Responses to comments issued by PPC team Wednesday 07 June 2023. Programme is confirming no further comments have been received. Offline approval not being sought yet as the Programme review updates to the document.
TMAG19-04	31/05/23	Programme to produce a plan-on-a-page for the Test Data deliverables (including lower-level artefacts).	Programme (Cesar Lopes)	21/06/23	Open	Verbal update to be provided during meeting.



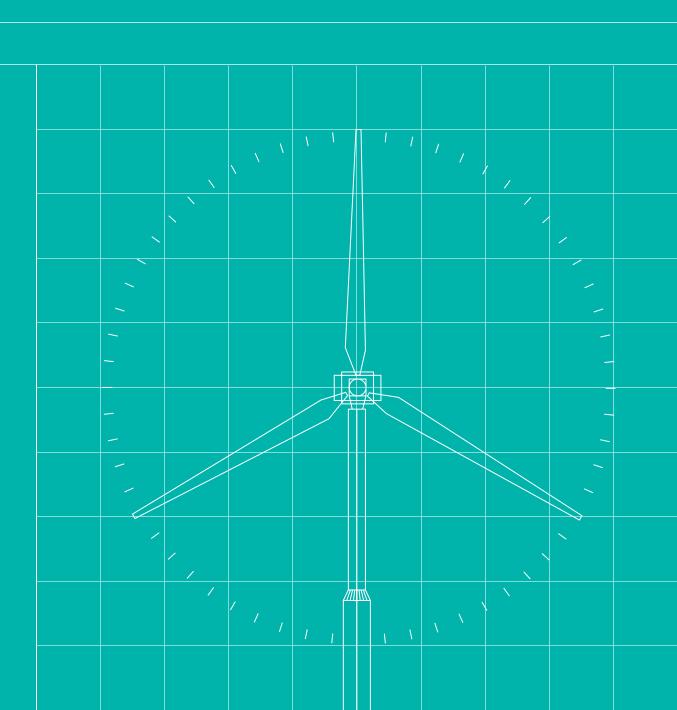
Programme updates

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

PMO

0 mins - taken as read, questions by exception





Programme updates

Governance group updates

Programme Steering Group (PSG)

Updates from PSG 08 June 2023

- 1. Programme Replan and Baseline Decision: Ofgem approved changes to the Level 1 Programme milestone dates. The Programme Senior Responsible Ow ner (SRO) unconditionally approved Programme Change Request (CR) 022 (MHHS Programme Replan) and approved the baselining of the Programme Plan as set out in CR022 and as amended per the meeting slides.
- 2. Customer Segment Reverse Migration Exclusion: The Programme SRO approved a recommendation, developed with the Migration Working Group (MWG), that complex sites and shared SVA sites should be excluded from reverse migration to mitigate risks to the provision of reverse migration. Consumer impacts are believed to be minimal and the excluded sites will migrated post M14.
- 3. Fast Track Implementation
 Group: The Programme SRO
 approved a new fast track
 process which seeks to
 expedite the release of design
 updates, w hilst maintaining the
 ability of participants to review,
 input, and object. Further
 information can be found here.

PSG papers available here.

Testing and Migration Advisory Group (TMAG)

Update from TMAG 17 May 2023

- 1. SIT Approach Proposal: The Programme provided an update that the SIT Approach. It was agreed with phasing of PIT evidence for each stage of SIT
- 2. Test Data Approach and Plan:
 The Programme provided an update on the timelines for the Test Data Approach and Plan
- 3. CIT & Functional Test
 Approach and Plan: The
 Programme provided an update
 on the timelines for the the CIT
 & Functional Approach and
 Plan
- 4. Release Management and Configuration Approach: The TMAG approved version 0.4 of the Release Management and Configuration Approach
- Qualification Approach and Plan: The TMAG approved version 0.2 of the Qualification Approach and Plan
- Testing Assurance for Period P1: The IPA provided an overview of activities for the first testing assurance period.

TMAG papers available here

Design Advisory Group (DAG)

Updates from DAG 10 May 2023

1. Interim Release 1: Updates were provided on the design changes scheduled to be released in June 2023 as part of Interim Release 1. Change marked design artefacts were issued for review and an assurance forum will be held 26 May 2023 to seek agreement on the revised artefacts ahead of submission to DAG on 14 Jun 2023. Interested parties should contact

PMO@mhhsprogramme.co.uk

for joining information.

2. Change Requests: The DAG discussed CR018 (Registration Service Operating Hours) and agreed further amendment should be undertaken and the change re-issued to parties for further Impact Assessment before returning to DAG for approval. The Programme is currently w orking with the LDSO community to amend the CR ahead of re-issuance to Impact Assessment.

DAG papers available here

Cross Code Advisory Group (CCAG)

Update from CCAG 24 May 2023

- 1. Code Drafting Tranche 1
 Recommendation: The CCAG
 accepted the recommendation
 of the Code Drafting Working
 group (CDWG) that the first
 tranche of code drafting should
 be 'approved for publication and
 subject to change control'. The
 code artefacts will be published
 on the Programme
 Collaboration Base. The next
 drafting topic is Registration,
 and a consultation will be issued
 in due course according to the
 Code Drafting Plan.
- 2. BSC Issue 101: The BSC provided an overview of the timelines and potential code drafting requirements for BSC Issue 101. Several potential dependencies on MHHS code drafting exist, and participants are urged to engage with the Issue 101 consultations on the topic of onboarding/qualification.
- 3. Code Drafting Process Map: A revised code Change Process Map, w hich seeks to provide a framew ork and principles for the management of external code changes w hich may be dependent on change to the MHHS Design was accepted by the CCAG. An emphasis on early dialogue and flexibility was agreed.

CCAG papers available here

Wider Programme updates

CR022 and **Programme Plan Updates**:

At the Programme Steering Group held 08 June 2023, Orgem advised changes to the dates of Level 1 Programme milestones had been approved. Consequently, the Programme SRO unconditionally approved CR022 and the baselining of the Programme Plan. This now concludes the Programme Replan activity, and the new plan dates are confirmed. The Programme Plan will be available shortly here.

Assurance Updates:

Delivery Assurance Questionnaire – The Cohort 2 Delivery Assurance Questionnaire response window is now open, with responses required by **17:00 Friday 16 June 2023**. This questionnaire is for SIT participants only.

Change Request for CR018 re-issued for Impact Assessment:

Following the earlier Impact Assessment of CR017 and CR018, the Design Advisory Group (DAG) advised that CR018 should be modified according to participant feedback and be re-issued for Impact Assessment. Please email all CR018 responses to PMO@mhhsprogramme.co.uk by 17:00 Wednesday 14 June 2023.

Code Drafting:

The latest Code consultation documents focus on Registration and BSC Central Services. This consultation closes at 17:00 on Wednesday 21 June 2023. Visit the Tranche 2 Code Artefacts page of the MHHS website to view the Code Artefacts under review, as well as information and guidance on the consultation and how to submit your comments.

Migration, Cutover & Data Strategy Approved:

At the extraordinary Testing and Migration Advisory Group (TMAG) meeting on Wednesday 31 May, the Migration, Cutover and Data Strategy was approved, subject to any open comments being addressed.

Interface Code of Connection (CoCo) and Public Key Infrastructure (PKI) Certificate Policy Artefacts Following a review of the comments and feedback provided, we've published an updated version of the Interface Code of Connection and the CoCo and PKI Certificate Policy Consolidated Comments Log on the Data Integration Platform (DIP) page of the MHHS website.



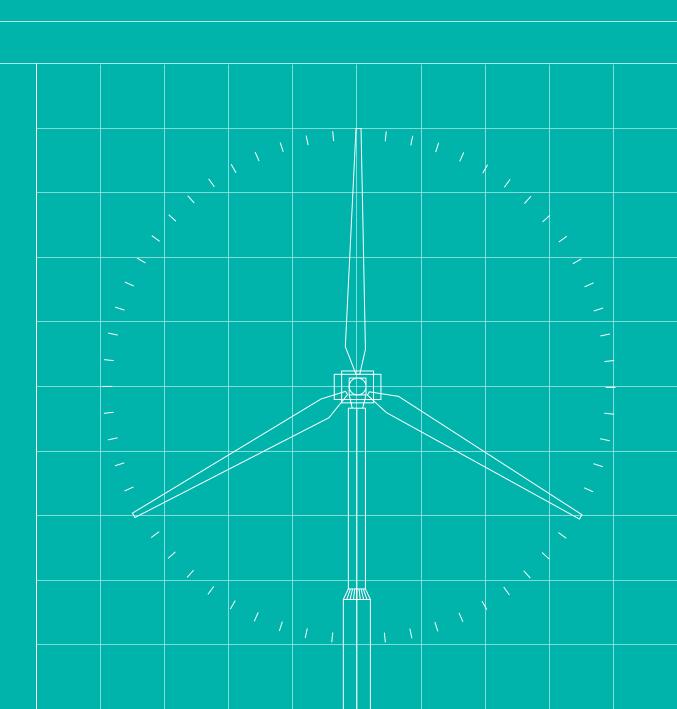
Working group report

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

Programme (working group leads as required)

0 mins - taken as read, questions by exception





TMAG Working Group Progress Report

	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	Overall Test Data Approach and Plan (extraordinary May TMAG)	Data Cleanse Plan (Jul 2023) Migration Cutover and Data Strategy (extraordinary May TMAG)	Environments Approach and Plan (final version planned to come to June TMAG)	Qualification Test Approach and Plan (planned to come to June 2023 TMAG)	CIT / Functional Test Approach & Plans (July/Aug 2023) SIT Functional Test Scenarios (June 2023) CIT Functional Test Scenarios (June 2023)	
Next meeting's agenda items	06 July 2023 • TBC	13 July 2023 • TBC	04 July 2023 • TBC	 12 June 2023 Data Cut for multiple MPIDs Qualification Testing Data	06 July 2023 • TBC	20 June 2023 PIT Requirements Phased SIT / PIT Entry Option DIP Non- Functional Requirements
Agenda items from last meeting	01 June 2023 • Review of Overall Test Data Approach & Plan feedback	Migration Thresholds and Migration Profile Data Cleanse Plan	O6 June 2023 Updates on Release Management	O9 May 2023 Qualification Approach and Plan Placing Reliance Policy	 01 June 2023 SIT Phasing Option PIT Guidance SIT Participation Overarching Test Data Approach & Plan CIT Approach & PLan and Scenarios CIT and Functional Test Scenarios 	O2 May 2023 DIP Non- Functional Requirements Verification of E2E Non- Functional Requirements
TMAG escalations	None	None	None	None	None	None



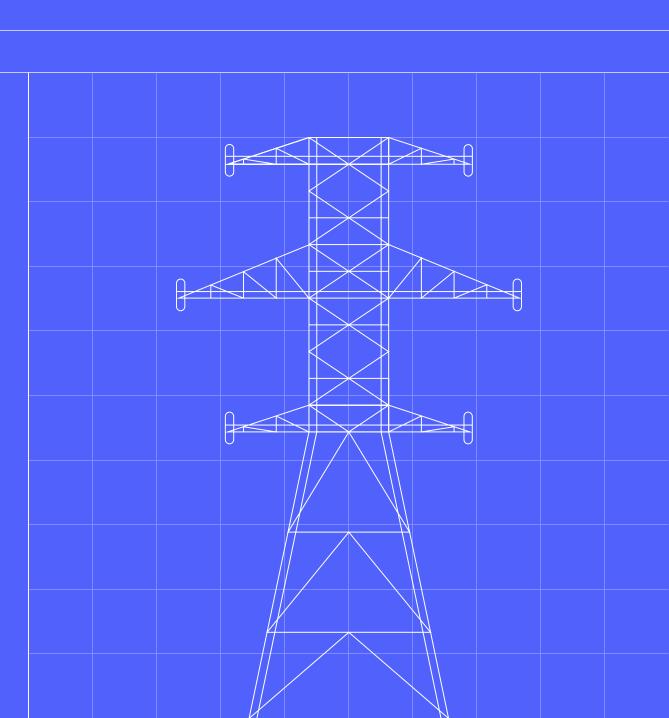
Document Classification: Public

CIT Test Scenarios

INFORMATION: Verbal update of the CIT Test Scenarios

Lee Cox



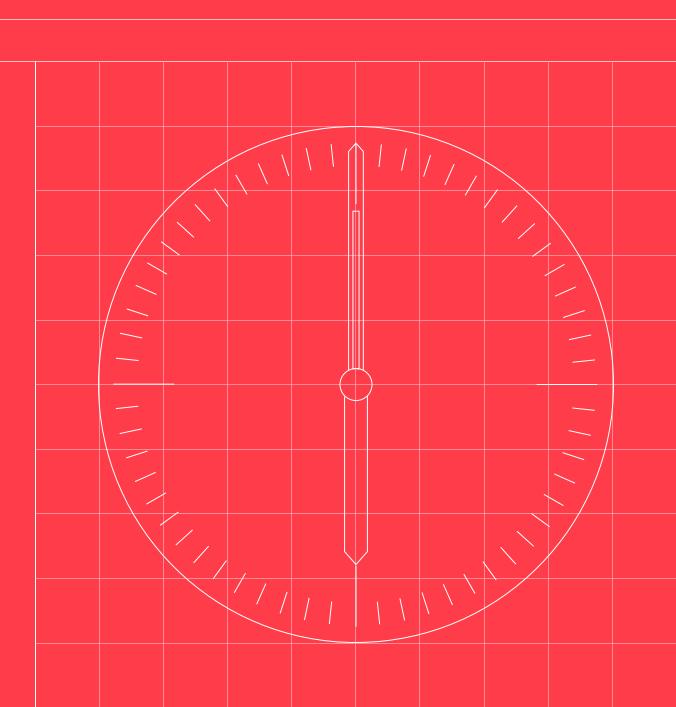


SIT Functional Test Scenarios

INFORMATION: Verbal update of the SIT Functional Test Scenarios

Lee Cox



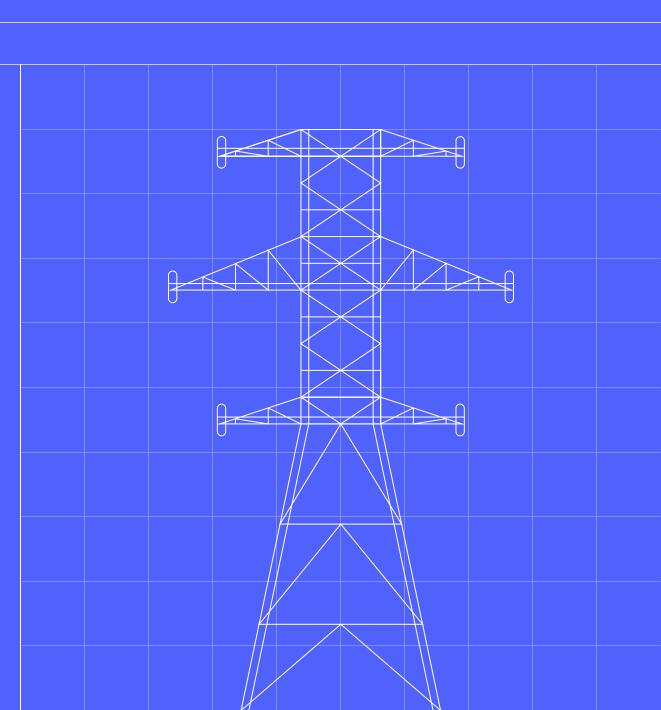


CIT & Functional Test Approach and Plan

INFORMATION: Provide an overview of the CIT & Functional Test Approach and Plan

Dominic Mooney





SIT CIT and Functional Approach and Plans Update

- The SIT Component Integration Testing (CIT) Test Approach & Plan has now been issued for a 10-working day consultation from Friday 9 June 2023. This is accompanied by the SIT CIT Test **Data** Approach & Plan, which was also issued for a 10-working day consultation.
- The Programme has made the decision to change the consultation timelines for these documents in order to ensure that the SIT CIT Test Approach & Plan and the SIT CIT Test Data Approach & Plan could be issued together. This will help ensure a more efficient consultation process for participants.
- The SIT Functional Test Approach & Plan, and the SIT Functional Test Data Approach & Plan will also be issued together. The 10-working day consultation period for these documents will now begin on Friday 7 July 2023. The Programme has made this decision based on participant feedback relating to the timing and frequency of consultations.
- For each of the 4 documents, following the related 10-day consultation periods, the Programme will assess feedback, revise the documents and subsequently issue them for a further and final 5-working day assurance period.
- This will allow participants the opportunity to review the updated documents following the initial industry consultation and highlight any remaining comments and feedback to the Testing team before they are taken through governance approval.
- In line with these consultation and approval timeframes there will be 2 extraordinary SITWG meetings scheduled (12th July and 10th Aug) each one week ahead of the July and Aug TMAGs respectively.

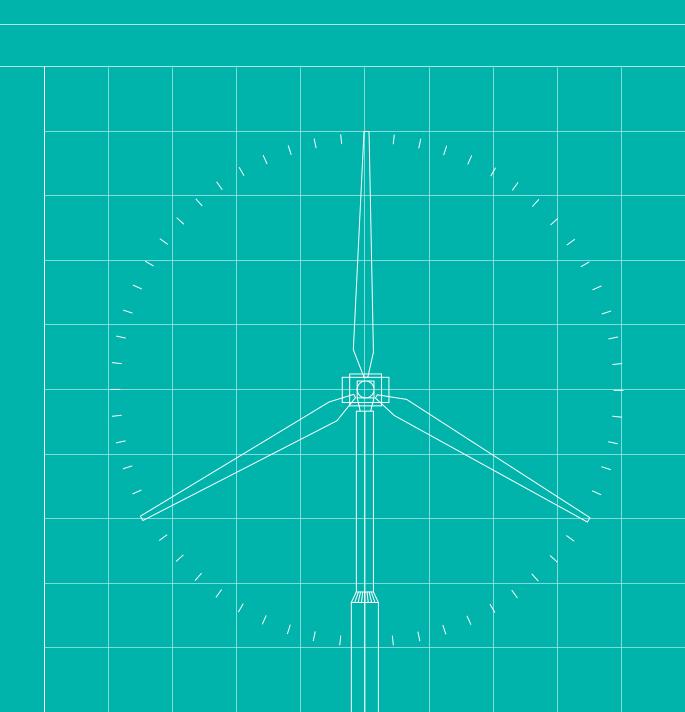


Overarching Test Data Approach and Plan

INFORMATION: Verbal update on the Test Data Approach and Plan approval

Cesar Lopes





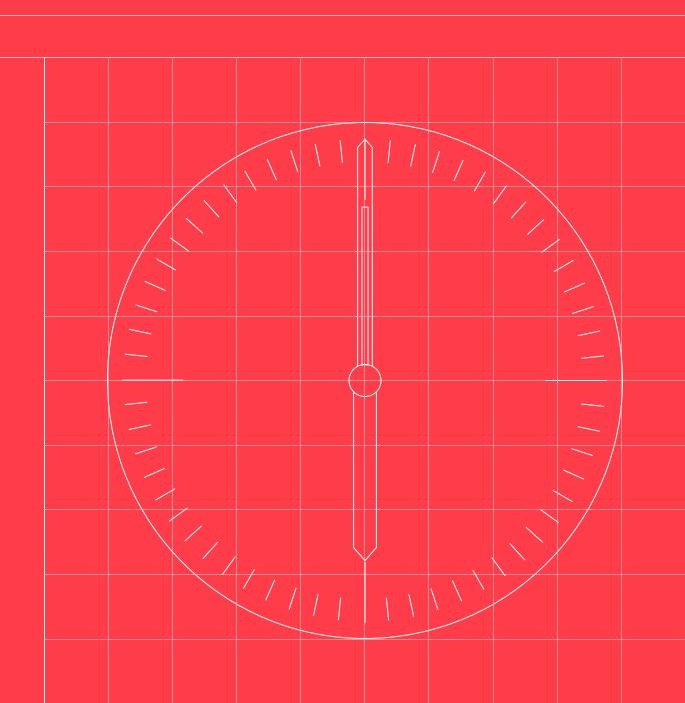
Progress updates

INFORMATION:

Qualification update

Anna Millar





The QWG discussed the following areas this month:

- The approach to data cut for organisations with multiple MPIDs;
- Qualification Test Data Approach;
- TMAG and PAB (BSC and REC) approval of the first version of the Qualification Approach and Plan;
 and
- The Placing Reliance Policy- High level process for Non SIT participants

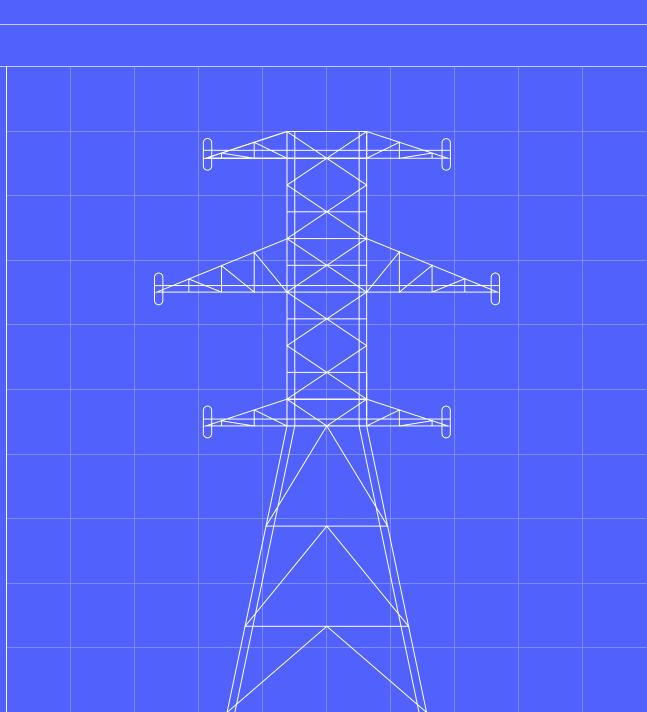


IPA Test Assurance for period P1

INFORMATION: IPA update on the on the activities for Test Assurance for period P1

IPA





MHHS IPA

WP9-11: IPA Test Assurance for period P1 FINAL

June 2023

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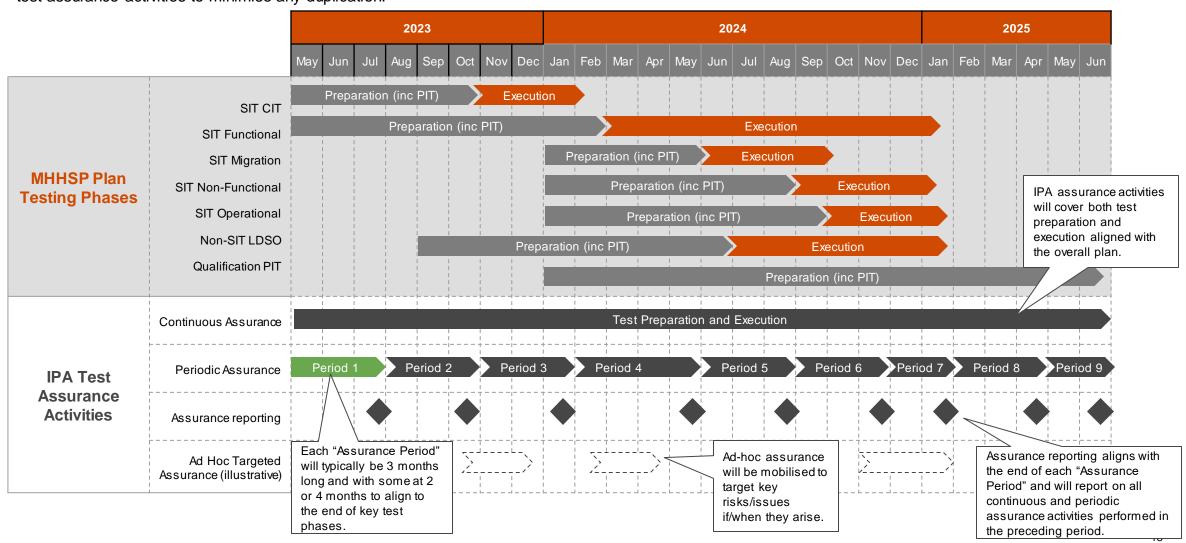




Test Assurance Plan



Assurance activities have been aligned to the test phases within the overall MHHSP plan. Regular meetings are being held with the LDP to align on test assurance activities to minimise any duplication.



Test Assurance TMAG June Update



The purpose of this update is to provide TMAG members with an **update on IPA test assurance P1 report progress**, our initial update was provided during May's TMAG.



Planning & Mobilisation [complete] - This milestone consists of defining the mini- terms of reference (ToR) for the specific periodic report the outreach to the sampled participants. The report details proposed participants to be sampled and to be agreed with the SRO and ofgem.

- Mini ToR signed-off by SRO and ofgem including the sampled participants.
- TMAG & PSG provided with an update on the approach & scope for the #P1 report.
- Participants notified by PPC, IPA conducted briefings calls with sampled participants and deep-dive calls scheduled.



Fieldwork - This milestone consists of holding deep-dive calls with the sampleted participants to assess status against assurance exam questions and review of evidence provided by participants;

- 6 out of 7 sampled participants deep-dive meetings held / completed.
- Key takeaways / observations noted shared with sampled participants.



Analysis - This milestone consists on reviewing artifacts (POAP, testing approach and delivery model) shared by sampled participants

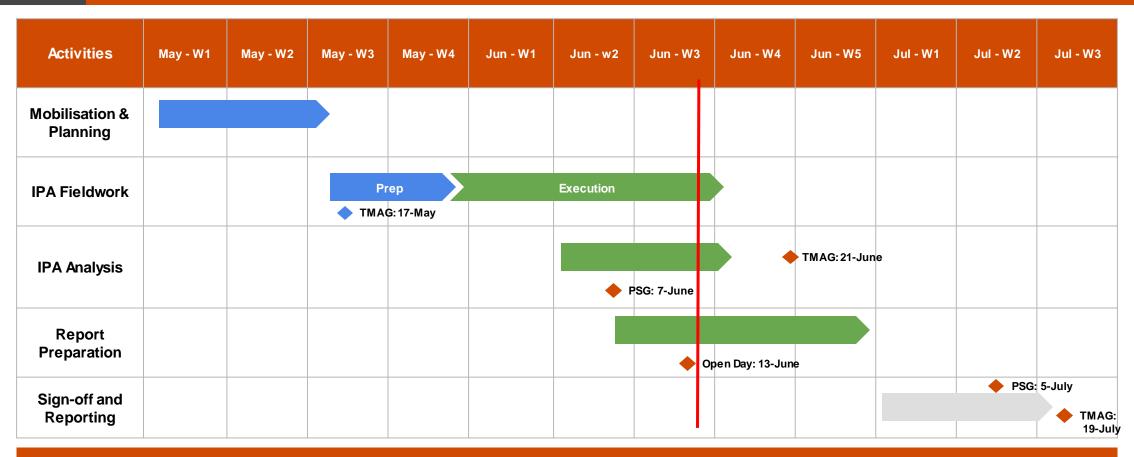
• Following deep-dive call a high-level summary of discussion, status against key exam questions and key observations with RAG status and recommendations will be sent to sampled participant to factuaty align on content.



Draft Report - The full draft report will be shared with ofgem / SRO for review & feedback. A high level summary anonymised will be shared at July's TMAG and at the August PSG.

WP9-11: P1 Assurance POAP





P1 Report Key Events and Dates

- 17-May 2023: TMAG Socialise the scope of work and ToR with Industry Participants
- 7-June 2023: PSG Socialise Assurance Activities by IPA at PSG
- 13-June 2023: Open Day Provide updates on IPA Assurance Activities and discuss on the overall approach and plan
- 21-June 2023: TMAG Interim update on IPA Activities at the TMAG
- . 19-July 2023: TMAG Share the summary of P1 Report at the TMAG
- 5-Aug 2023: PSG Share the summary of P1 Report at the PSG

Summary and next steps

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

Chair and Secretariat



Summary and next steps

Next steps:

1. Confirm actions and decisions from meeting

2. Date of next TMAG: 19 Jul 2023

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

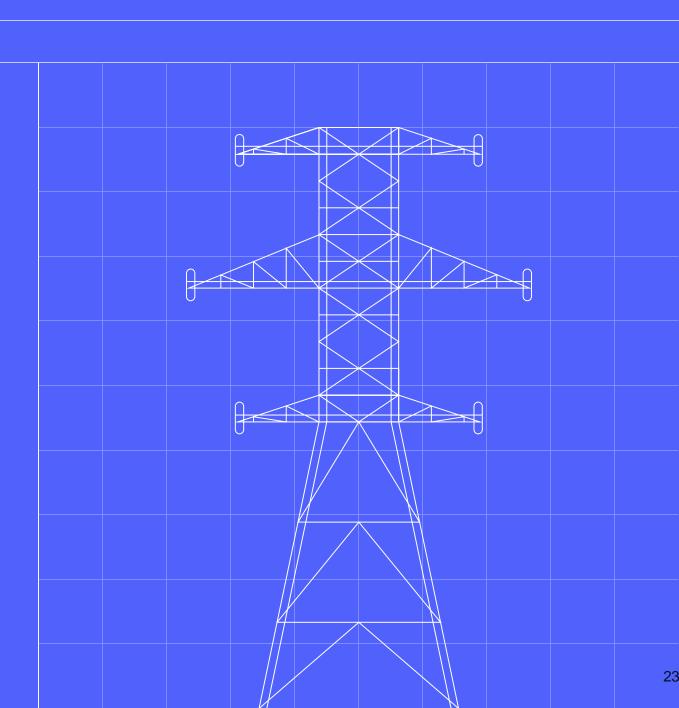
Meeting dates	21-Jun	19-Jul	16-Aug	
Relevant milestones or activities		 Data Cleanse Plan SIT CIT Test Approach and Plan and Test Data Approach and Plans 	SIT Functional Test Approach and Plan and Test Data Approach and Plans	
Agenda items	 CIT Test Scenarios SIT Functional Test Scenarios CIT and SIT Functional Test Approach and Plan Overarching Test Data Approach and Plan 	 Data Cleanse Plan SIT CIT Test Approach and Plan and Test Data Approach and Plans Environments Approach and Plan 	SIT Functional Test Approach and Plan and Test Data Approach and Plans	
Standing items	 Minutes and actions review Programme updates Working group report Next steps and agenda roadmap 	 Minutes and actions review Programme updates Working group report Next steps and agenda roadmap 	 Minutes and actions review Programme updates Working group report Next steps and agenda roadmap 	



Appendix

Data Generator – Overview





Data Generator - Overview



What it is the Data Generator

Release: 24th May 2023

- The Data Generator tool will provide realistic test data including Meter (Consumption) and Settlement Data to use during PIT and SIT. The Data Generator will be available as we approach the start of PIT.
- Where possible, it will produce data in a form directly consumable by different Services in MHHS. Where not possible, then it will produce data in an agreed format, which the participant will then need to transform in order to use it for testing.
- We will produce valid data only for your testing. However, if you wish to test invalid data, then you must either manually edit the valid data provided or input your own data.

Requirements

- The Data Generator will be a piece of packaged software usable by PPs on demand to produce data usable by Data Services (incl. SDS and ADS), Supplier, Network Operations Services, and Elexon Central Systems (ECS).
- The data produced by Meters or Data Services will be simulated by the Data Generator.
- Two types of consumption-related data need to be produced: period consumption (power used in a specific period) and register reading (actual figure displayed by the register of the meter at a given point in time)
- Test data is either generated randomly to a Requester or, as an alternative, the Requester can input a csv. file of consumption values which the Data Generator uses to produce valid IF-021 and IF-041 messages.
- The Date Generator can only be used by downloading it and using it locally.



Data Generator - Access



- Sims & Ems Testing tools are provided for final validation in the testing process; we encourage participants to test with their own test rig first.
- You can access the Data Generator here: Source Code
- You can access the Source Code Instructions here: Source Code Instructions



- To find out more about the Sims & Ems development, please sign up for the Sims & Ems Show & Tell sessions that run fortnightly on Fridays at 15:30
- These sessions help participants to gain insight into the development of the testing software, and provide the opportunity to ask questions
- Please email <u>Sims.Ems@mhhsprogramme.co.uk</u> to join the session



• If you have any questions, or would like to arrange a meeting with the Sims & Ems team, please email the Programme Party Coordinator (PPC) team at PPC@mhhsprogramme.co.uk

