Testing and Migration Advisory Group (TMAG) #17
19 April 2023

Version 1.0

Agenda

#	Item		Objective	Type	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	*Migration/ Transition*	**Migration, Cutover and Data Strategy**	Update on Migration, Cutover and Data Strategy	Information	John Wiggins	10:10-10:20 *10 mins*	9
		Data Cleanse Plan	Update on initial findings from the Data Cleanse technical sessions	Information	John Wiggins	10:20-10:30 *10 mins*	11
6		**MPAN exclusion**	Update on MPAN exclusion for reverse migration	Information	John Wiggins	10:30-10:40 *10 mins*	14
7	*Testing*	**DBT1 PIT**	DBT1 PIT options	Information	Simon Berry	10:40-10:50 *10 mins*	17
8		**Placing Reliance Policy Approval**	Approve Placing Reliance Policy	Decision	Dominic Mooney	10:50-11:05 *15 mins*	19
9		**CIT & Functional Test Approach and Plan**	Update on the CIT & Functional Test Approach and Plan	Information	Dominic Mooney	11:05-11:10 *5 mins*	22
10		**Test Data Approach and Plan**	Update on the Test Data Approach and Plan	Information	Cesar Lopes	11:10-11:20 *10 mins*	24
11		**Working group progress updates**	• SITWG update • Qualification update • NFTWG update	Information	Programme (Working group leads)	11:20-11:35 *15 mins*	26
12	**Summary and next steps**		Summarise actions/decisions and look ahead to the next TMAG	Information	Chair and Secretariat	11:35-11:40 *5 mins*	30
	Appendix		DIP Simulator – overview				

Minutes and actions

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

Chair and Secretariat

5 mins

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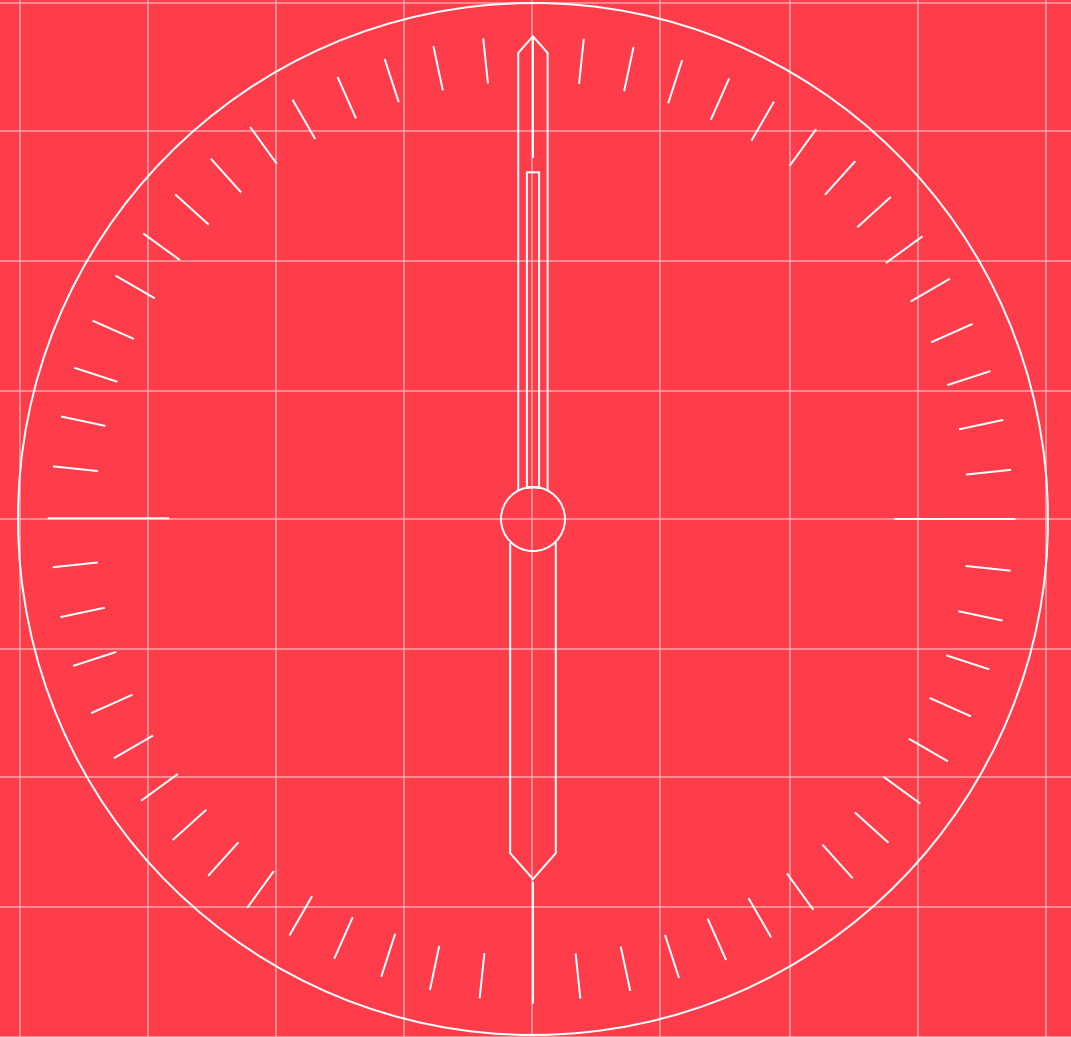
Minutes and Actions review

1. **Approval of Minutes** from 15 March 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
TMAG16-01	15/03/23	Provide a forward plan of when deliverables are being reviewed at the Working Groups	Programme PMO	19/04/23	Open	The target is to have a forward view of all deliverables and Change Requests on the Collaboration Base by the end of April.
TMAG16-02	15/03/23	SIT Scope document to be uploaded to the Collaboration Base	Programme PMO	17/03/23	Recommend closed	SIT Scope document is available on the SIT page of the Collaboration Base

Programme updates

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

PMO

0 mins – taken as read, questions by exception

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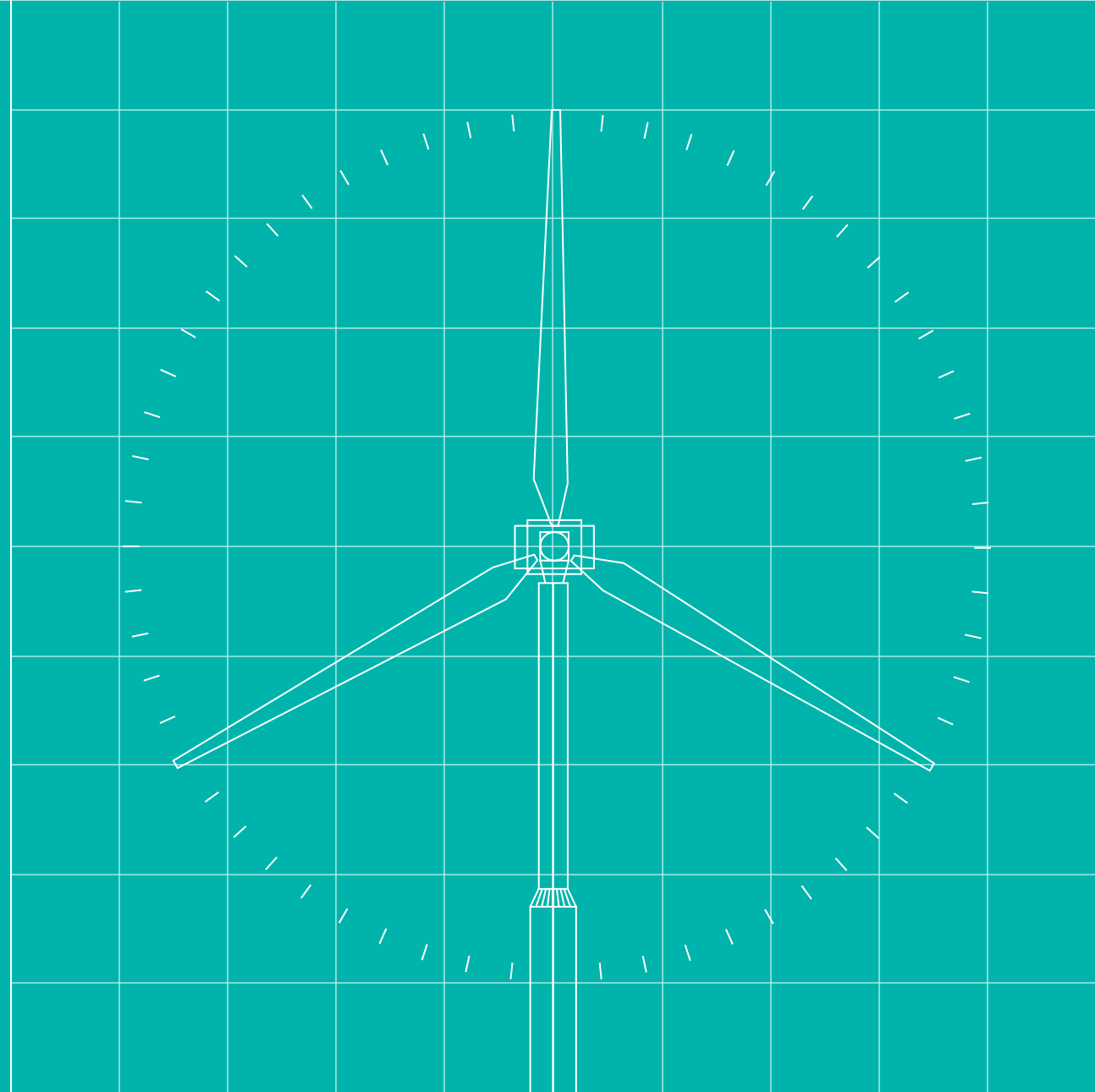
Governance group updates

Programme Steering Group (PSG)

Update from PSG 01 March 2023

1. **Re-Plan Status:** The PSG heard updates on the status and next steps for the replan
2. **Round 3 replan consultation outputs and SIT outlook:** The PSG reviewed outputs of Round 3 replan consultation including the status of the MVC and Core Capability Providers. There was a discussion on establishing a delivery forum for SIT volunteer project managers
3. **M3 approval:** The PSG approved Milestone 3
4. **LDSO delivery plans:** The PSG heard the LDSO delivery plans
5. **Design update:** The PSG heard updates on the status of the M5 Work-Off Plan and the Migration Design
6. **Change Control:** The PSG approved CR015, reviewed the outputs of Impact Assessment and decided next steps
7. **TMAG governance:** The PSG heard updates on next steps for Testing and Migration governance following discussion at TMAG

PSG papers available here.

Testing and Migration Advisory Group (TMAG)

Update from TMAG 15 March 2023

1. **Data Cleanse Plan:** The Programme provided an overview of the plan, scope and timescales
2. **Migration, Cutover & Data Strategy:** The Programme provided an update on progress to date
3. **SIT Scope:** The Programme provided updates on the SIT Scope document, and plans to update and rebaseline the MHHS E2E Testing and Integration Strategy
4. **Placing Reliance Policy update:** The Programme provided an update on the status of the Placing Reliance Policy for review ahead of planned approval at 27 March extraordinary TMAG
5. **Test Data Approach and Plan:** The Programme provided an update on progress of the Test Data Approach and Plan ahead of decision at May TMAG
6. Working group updates – Updates were provided on activity at the Qualification and Non-Functional Testing Working Groups

TMAG papers available here

Design Advisory Group (DAG)

Updates from DAG 08 March 2023

1. **Sender of D0170 flow**: DAG decided the Registration Service should be the sender of the D0170 flow. This decision follows the recommendation of the Programme, developed via the Migration Design Subgroup, on the benefits of a central operator, the lower risk to testing and migration SIT components, and overall level of industry change required versus requiring Suppliers to be senders of the flow.
2. **Programme Change Requests (CRs):** The DAG requested updates to new CR019 raised in relation to a potential new data flow required to support DCUSA processes prior to issuance to Impact Assessment (IA). CRs 017 & 018 are currently at IA and further information to support participants responses is due to be published.
3. **Consequential Change Impact Assessment Group (CCIAG):** The agreed to the closure of the CCIAG noting it had fulfilled its purpose and received positive feedback from participants. The Consequential Change Log is not closed, and the primary outputs are topics for consideration under consequential change code drafting

DAG papers available here

Cross Code Advisory Group (CCAG)

Update from CCAG 22 March 2023

1. **Code Drafting Plan:** CCAG received updates on changes to the plan arising both from feedback received following the first code drafting consultation and as part of the Programme Replan. Consultation timeframes will be extended to three weeks, and traceability matrices have been produced showing the level of documentation which may require review in future to assist participants resource planning.
2. **BSC Issue 101:** BSC provided an overview of the work of this issues group. CCAG were advised the group will produce a solution and recommendation to be included in an SCR-driven modification to the BSC. The Programme are reviewing whether there may be impacts on the DIP technical design
3. **CDWG Update:** CCAG were given an overview of the first code drafting consultation and forward plan for the CDWG. Over 1,100 comments were received from the majority of participant constituencies.

CCAG papers available here

Wider Programme updates

Programme replan:

On **Wednesday 1 March 2023**, the Programme team informed the Programme Steering Group (PSG) of a one-month extension to the Programme's Replan release date. The plan for delivering the remainder of the replan was shared during the March PSG.

The **Round 3 Artefacts** are still available on the Planning page of the MHHS website for reference. You can also view **Planning Playbacks** slides and recordings on the Events page.

The proposed date for Milestone 9 (M9) remains unaltered from the Round 3 consultation, whilst acknowledging that there is still some risk to that date whilst we work with a number of parties on the critical path to confirm their alignment to that date. We've received very encouraging Round 3 responses which confirm that many industry participants will be ready for Systems Integration Testing (SIT).

Placing Reliance Policy

- The Programme, in consultation with the Code Delivery Bodies, has developed the draft MHHS Placing Reliance Policy. This is published on the Testing Overview page of the MHHS website

Re-baselined MHHS Design Artefacts:

On the 16 February, the Design Authority Group unanimously approved the Design Artefacts to be re-baselined. The design is now under Change Control. Design Artefacts are published on the respective Design Artefacts pages of the MHHS website.

Consultation reminder:

- **Migration Design Artefacts**: the updated Migration Design Artefacts will be released on Wednesday 15 March 2023. Visit the Migration Design pages of the MHHS website for more information
- **Code Drafting**: consultation on Code Drafting Artefacts is open until 13 March. Visit the Code Artefacts page of the MHHS website for more information

DIP simulator

The Programme is producing a range of testing. This is being scheduled to incorporate Version 5 of the Design. Information on Release 1 will follow.

Simulators and Emulators Testing tools are provided for final validation in testing. We encourage participants to start and continue testing ahead of Release 1. 16 participants have requested early access to the current version of DIP Simulator. If you would like early access, email Sims.Ems@mhhsprogramme.co.uk
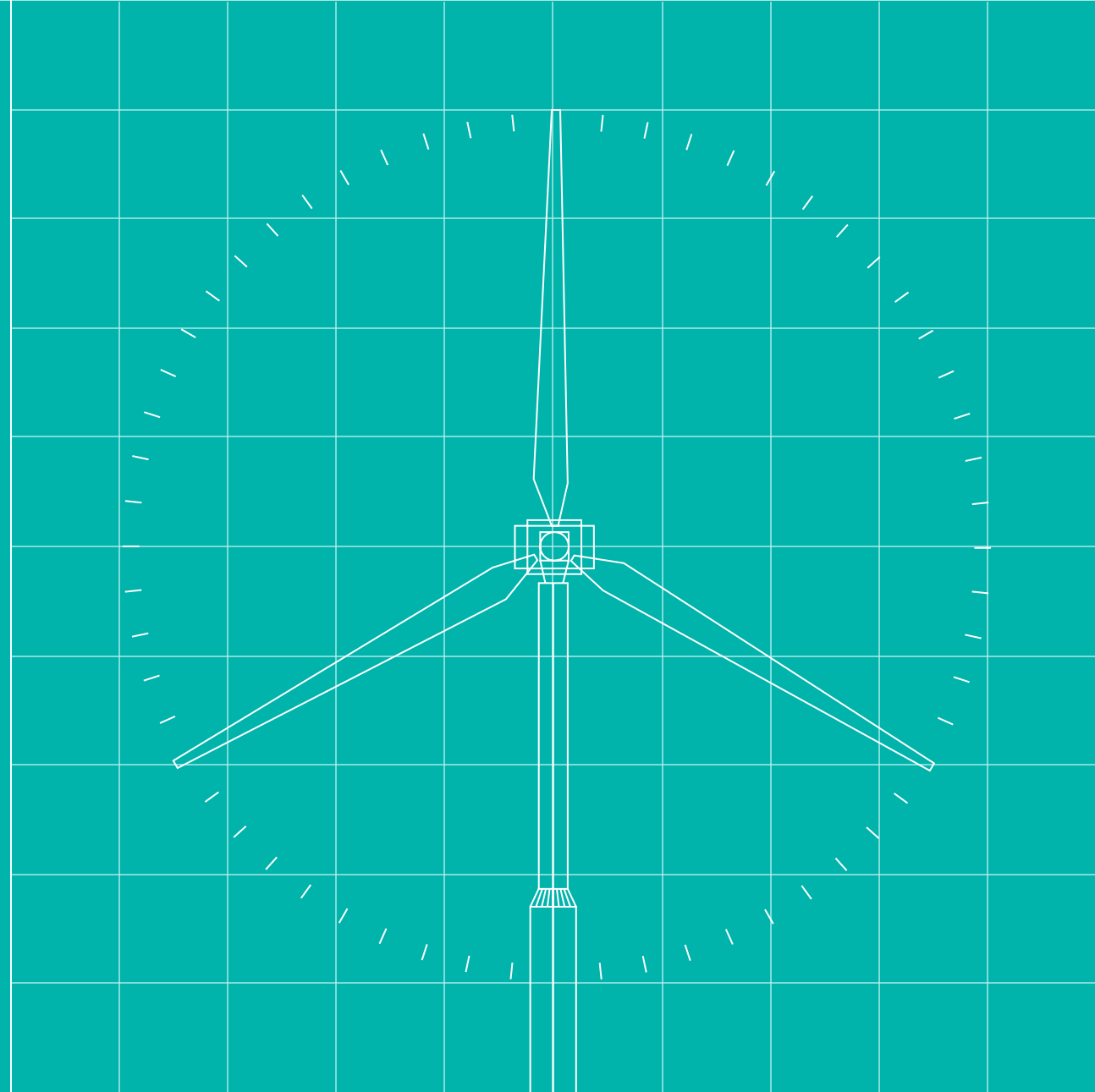
Webinars

- **Webinar:** Participant Design Assurance Approach, 30 March

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*

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	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 (planned to come to May TMAG)	• Data Cleanse Plan (May 2023) • Migration Cutover and Data Strategy (planned 28 April 2023, to come to April TMAG)	• Environments Approach and Plan (final version planned to come to June TMAG) • Release Management Document (May TMAG)	• Qualification Test Approach and Plan (planned to come to May 2023 TMAG)	• CIT & Functional Test Approach & Plans (June 2023) • CIT & Functional Test Scenarios (Jun 2023) • CIT & Functional Test Cases (Sep 2023)	

Next meeting's agenda items	20 April 2023
	• Overall Test Data Approach & Plan discussion for progress recommendation to TMAG
	• Consumption Data Generators update
		13 April 2023
		• Data Cleanse Plan
		• Migration Strategy
			04 April 2023
			• Release and Configuration Plan
			• Central Parties Test Environment Architecture (TBC)
			• Updated Environments PoaP & associated tables (*subject to Programme Replan)
				11 April 2023
				• SITWG attendance
				• Qualification Approach and Plan
				• Replan: Qualification Timeline
					06 April 2023
					• CIT & Functional deliverables
					• Review plan for:
					  • CIT & Functional Test Approach & Plan
					  • CIT & Functional Test Data Approach & Plan
					  • CIT & Functional Scenarios
						18 April 2023
						• DIP Non-Functional Requirements
						• Verification of E2E Non-Functional Requirements

Agenda items from last meeting	02 March 2023 • Introduction to Data Lead • Overall Test Data Approach & Plan update • Data Assessment Report Update	09 March 2023 • Data Cleanse Plan • Migration Strategy • MPAN Profiling	07 March 2023 • Environments Proving • Environments Approach and Plan • Release and Configuration Approach and Plan	14 March 2023 • Organisation vs MPID • Approach to Qualification Scope • Qualification Approach and Plan Product Description • Qualification PoaP for delivery of Qualification Approach and Plan • RACI for Qualification • Approach to Tranches • Placing Reliance • Update on PIT Guidance	02 March 2023 • SIT Scope document • Placing Reliance policy • Software provider Programme Participant relationship • Scenarios and test cases • PIT guidance • Update on CIT and functional test approach and plans	21 March 2023 • Non-Functional requirements
TMAG escalations	None	None	None	None	None	None

Migration, Cutover & Data Strategy

INFORMATION: Update on Migration, Cutover and Data Strategy

John Wiggins

10 mins

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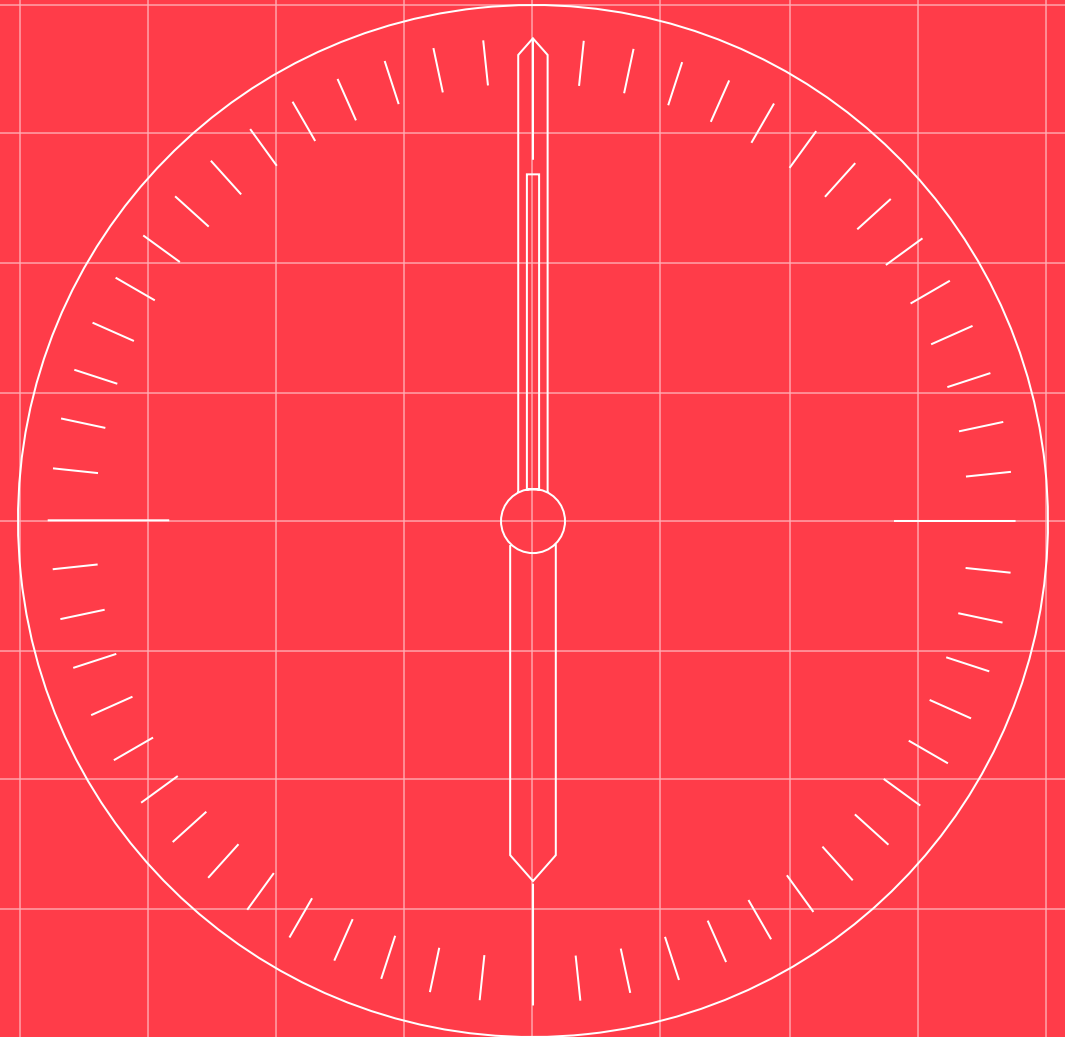
1   The programme will be responsible for setting the maximum daily thresholds related to the total number of MPANs which can be migrated on a given day within Great Britain.

2   The programme will be responsible for setting the maximum daily thresholds related to the total number of MPANs which can be migrated on a given day by each LDSO.

3   Each Supplier will agree a migration plan with the programme which will set out the daily volumes they must migrate on each given day.

4   The allocation of capacity to each Supplier will be undertaken in a fair and reasonable manner so as not to disadvantage individual Suppliers or impact the M15 milestone.

5   The Programme will operate a flexible and dynamic planning capability to ensure that capacity can be allocated in a manner to mitigate issues which could impact M15 (such as changes to Supplier qualification dates, underperformance of individual Suppliers against agreed plans etc).

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Data Cleanse Plan

INFORMATION: Review of initial findings from the Data Cleanse technical sessions

John Wiggins

10 mins

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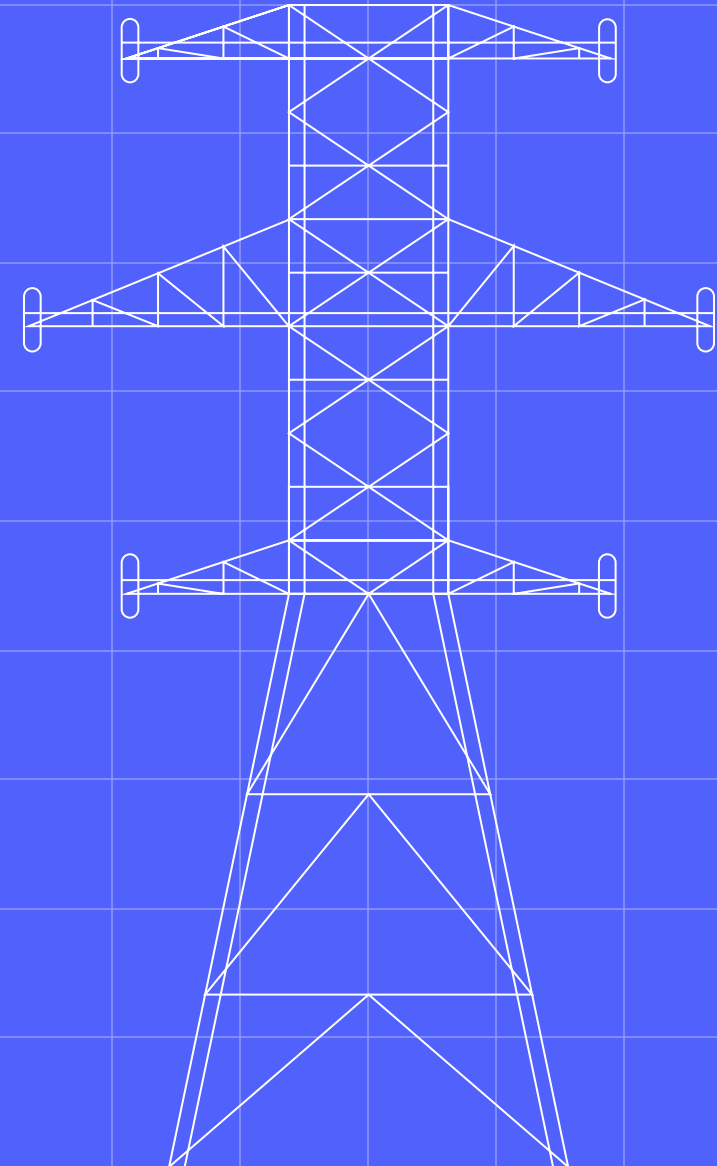
- The Data Cleanse Plan was initially due for completion in May 2023 however, due to the ongoing technical sessions highlighted below, the timelines have been updated.

MTDs	Advanced Meters	Registration Data (1)	Registration Data (2)
Tuesday 4 April 14:00-16:00	Tuesday 11 April 14:00-16:00	Friday 14 April 10:00-12:00	Monday 17 April 14:00-16:00

- The data cleanse plan will now be brought to the **MWG for review in May** and will then be brought to the **TMAG for approval in June.**

Migration, Cutover and Data Strategy Timeline

01 Jul 2023 – M10
Participants undertake cleansing activities & programme reporting to code bodies

05 Jun 2023
Update document and hold assurance meeting

04 Apr - 17 Apr 2023
Technical Working Groups

11 May 2023
Develop Draft Data Cleanse Plan for Review

21 Jun 2023
TMAG Approval

15 May – 26 May 2023
Update and Finalise Data Cleanse Plan and issue for consultation

01 Jul – 01 Sep 2023
Develop Reporting Capabilities

M10
Data Migration to populate data prior to Go Live (if required)

12 Jun 2023
Issue updated document

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MPAN exclusion

INFORMATION: Update on MPAN exclusion for reverse migration

John Wiggins

10 mins

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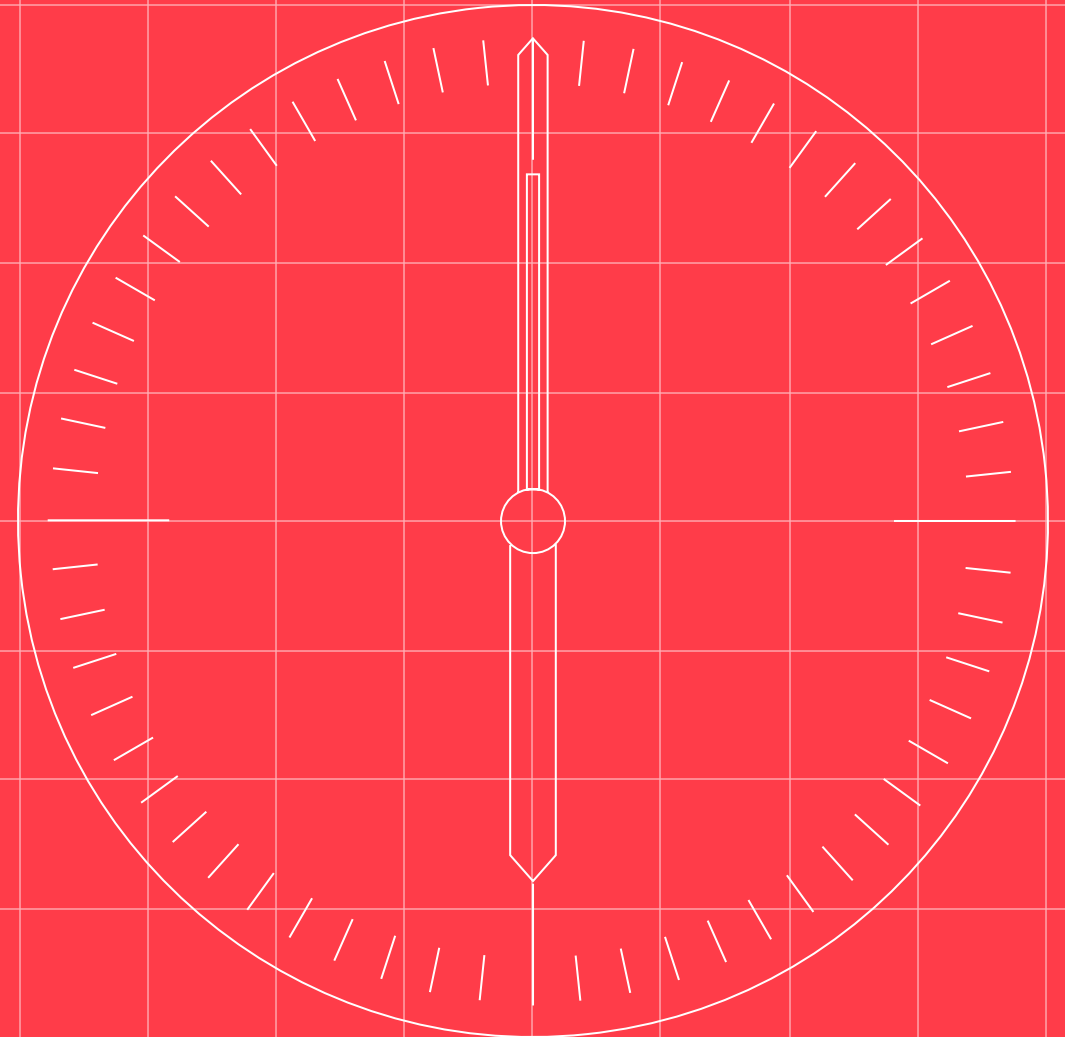
Option 1: The MPAN is only migrated post M14, when all Suppliers are MHHS qualified, meaning Reverse Migration can no longer take place

Option 2: The MPAN is not allowed to be Reverse Migrated once it has been migrated to the MHHS arrangements

Pros 👍

This option promotes consumer choice and would not not prevent any Suppliers from taking on an MPAN because they have not yet become MHHS qualified

Cons 👎

Suppliers would need to account for MPANs which have not been migrated ahead of M14 within their migration plans, meaning they may have to operate legacy processes for longer than expected. It would also prevent the completion of their migration plans ahead of M14.

Pros 👍

Supplier migration plans would not be impacted and they could migrate all of their portfolio prior to M14.

Cons 👎

Legacy Suppliers would not be able to gain an MHHS MPAN until they have become MHHS qualified which would limit consumer choice and have a commercial impact on some Suppliers.

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- MWG participants were asked previously to provide proposals for different MPAN types that should be considered for exclusion from Reverse Migration. To date, the below Meter types have been proposed:

NHH AMR Meters

Complex Sites
(as defined by BSCP502, Appendix 4.9)

Export Meters

- The Migration team will consider these meter types for exclusion and then look to discuss this further in the May MWG.

- If you have any additional feedback about these meter types, or feel that there are other meter types that should also be considered for exclusion, please let us know.

DBT1 PIT Options

Update: DBT1 PIT Options

Simon Berry

10 mins

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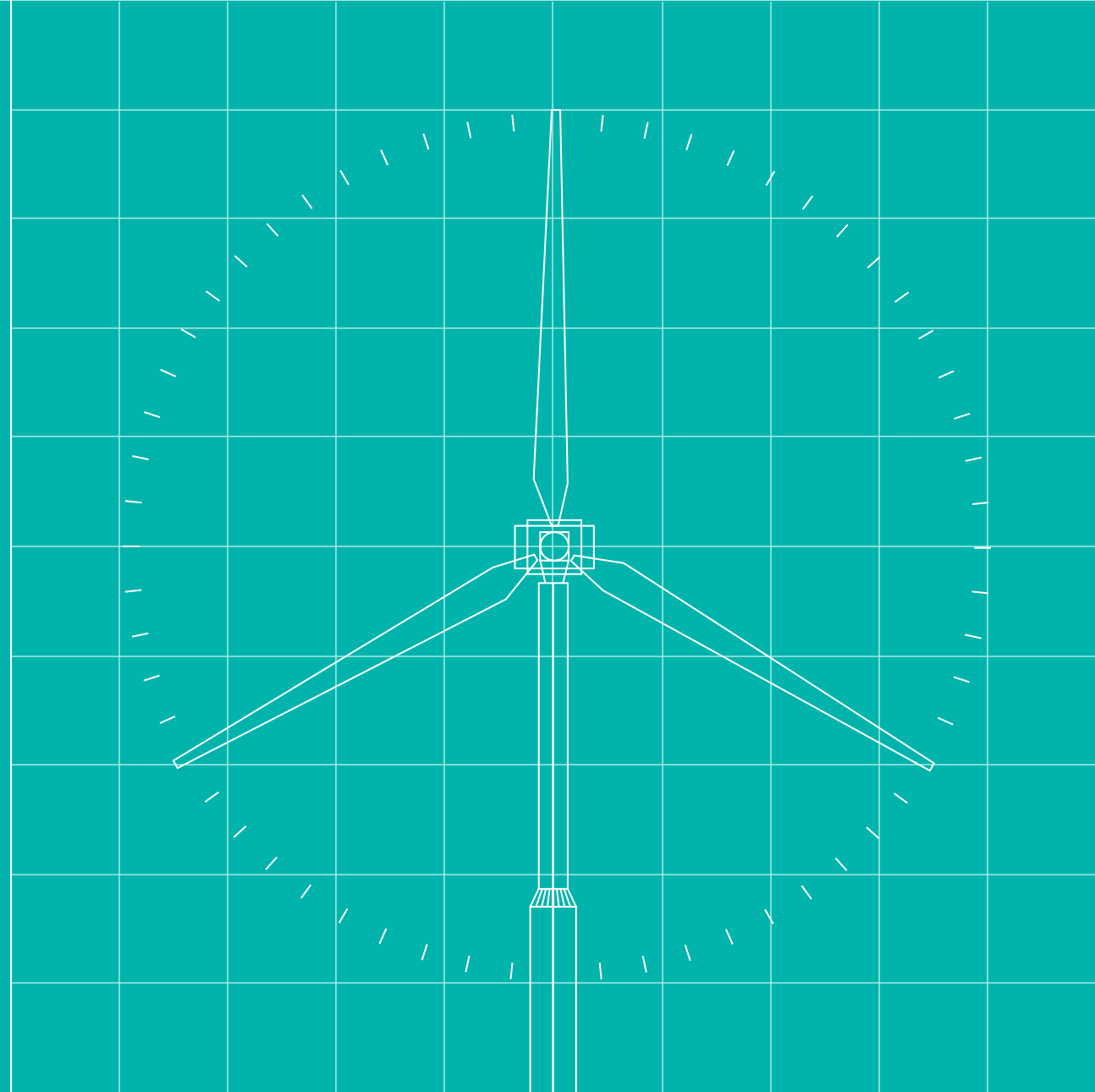
- The programme is currently considering Large Supplier Constituency proposals to phase the PIT / SIT approach
- A meeting was held on 27th Mar to discuss the proposal and the programme is currently considering the following options

Options	Description	DBT 1 PIT	Required
Current Approach	As per PIT Guidance	Functional	Prior to CIT Interval Start
		NFT	
		Operational	
		Migration	Prior to SIT Migration Start
Option 1	DBT1 PIT requirements aligned with SIT stage objectives and completion staggered in line SIT stage commencement	CIT	Prior to SIT CIT Interval Start
		Functional	Prior to SIT Functional Test Start
		Migration	Prior to SIT Migration Test Start (As per current approach)
		NFT	Prior to SIT Non-Functional Test Start
		Operational	Prior to SIT Operational Test Start
Option 2	Same as option 1 but DBT1 Functional PIT further split into 2 drops allowing for staged delivery of CRM components	CIT	Prior to SIT CIT Interval Start
		Functional (Minus CRM)	Prior to SIT Functional Test Cycle 1 Start
		Functional (inc CRM)	Prior to SIT Functional Test Cycle 2 Start
		Migration	Prior to SIT Migration Test Start (As per current approach)
		NFT	Prior to SIT Non-Functional Test Start
		Operational	Prior to SIT Operational Test Start

Next steps

- A follow up meeting is due to be scheduled with the LSC group to further discuss the options and the details of how this would work

- Any other members of SITWG are who are interested to attend are asked to please notify PMO by COB on 12th April after which the session will be scheduled subject to availability

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Placing Reliance Policy Approval

DECISION: Approve Placing Reliance Policy

Dominic Mooney

15 mins

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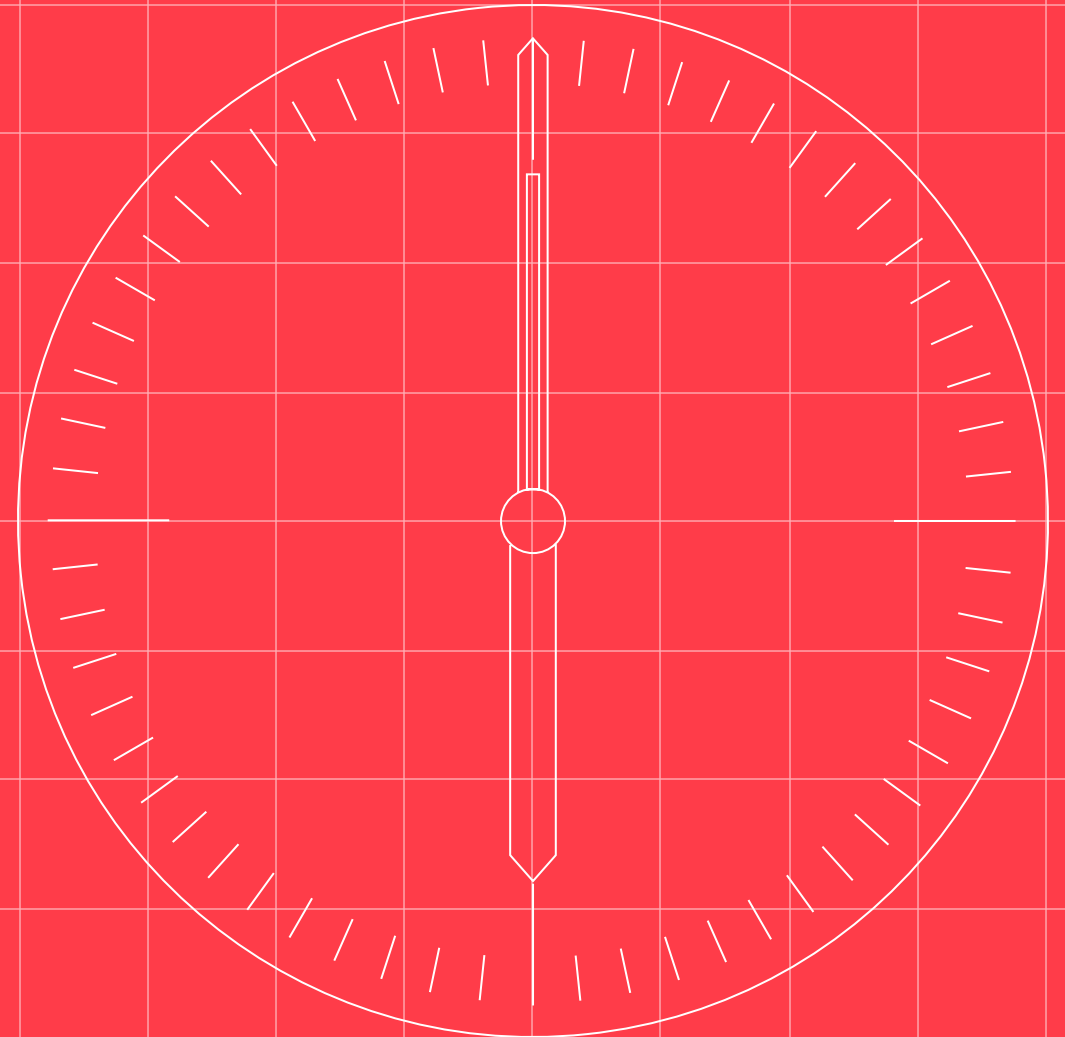
Principal updates

- **MHHS-DEL1064 - Placing Reliance Policy (v0.5)** has now been re-issued on the Collaboration Base.
- For Programme parties that submitted comments on v0.4, please note that all comments have been consolidated and also published on the Collaboration Base. In some cases there have been clarifications within the comment log response which did not result in a document change, so please also refer to the comments log.
- Particular **points to note about updates**:
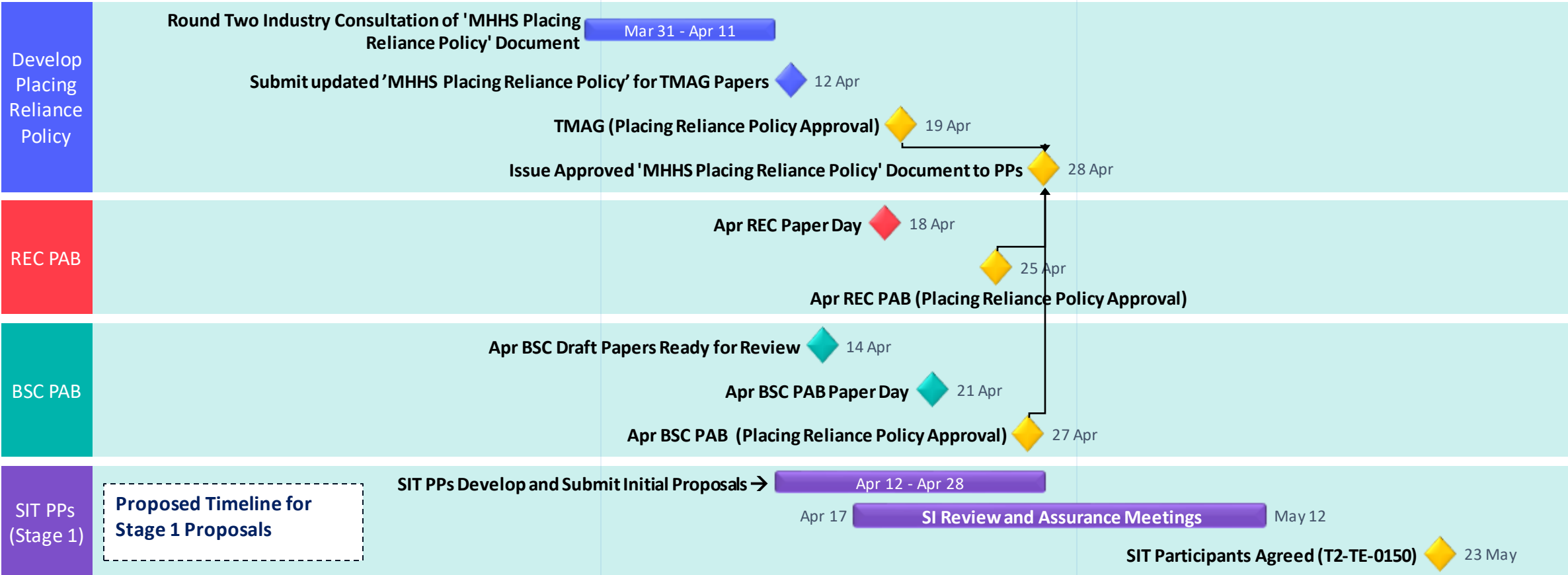 - In response to feedback the option for Programme parties to adopt the **'Testing on behalf of'** option has been opened out to non-SIT participants
  - The option of **'Placing Reliance'** has been opened up within SIT where 2 (or more) active SIT participant role organisations propose to meet the full SIT coverage requirement by forming a SIT test exit group, and then place reliance on the SIT role/feature testing, and/or SIT stage-based testing being undertaken by another SIT participant member in the same group
  - Further details of what is required from Programme participants when proposing to adopt the **'Testing on behalf of'** or **'Placing Reliance'** options
  - How the SIT PP Stage 1 policy operation relates to the milestone for confirming SIT participation (T2-TE-0150) - see next slide for timings
- We ask that any further comments on the policy are received by 11-Apr-23, please address them to testing@mhhsprogramme.co.uk
- **Policy Approval Schedule –** TMAG (19-Apr-23), REC PAB (25-Apr-23), BSC PAB (27-Apr-23)

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Placing Reliance Policy Document and SIT PP Stage 1 Proposals

2023

| Mar | Apr | May | **2023** |

Develop Placing Reliance Policy

Round Two Industry Consultation of 'MHHS Placing Reliance Policy' Document — Mar 31 - Apr 11

Submit updated 'MHHS Placing Reliance Policy' for TMAG Papers — 12 Apr

TMAG (Placing Reliance Policy Approval) — 19 Apr

Issue Approved 'MHHS Placing Reliance Policy' Document to PPs — 28 Apr

REC PAB

Apr REC Paper Day — 18 Apr

Apr REC PAB (Placing Reliance Policy Approval) — 25 Apr

BSC PAB

Apr BSC Draft Papers Ready for Review — 14 Apr

Apr BSC PAB Paper Day — 21 Apr

Apr BSC PAB (Placing Reliance Policy Approval) — 27 Apr

SIT PPs (Stage 1)

Proposed Timeline for Stage 1 Proposals

SIT PPs Develop and Submit Initial Proposals → Apr 12 - Apr 28

Apr 17 — **SI Review and Assurance Meetings** — May 12

SIT Participants Agreed (T2-TE-0150) — 23 May
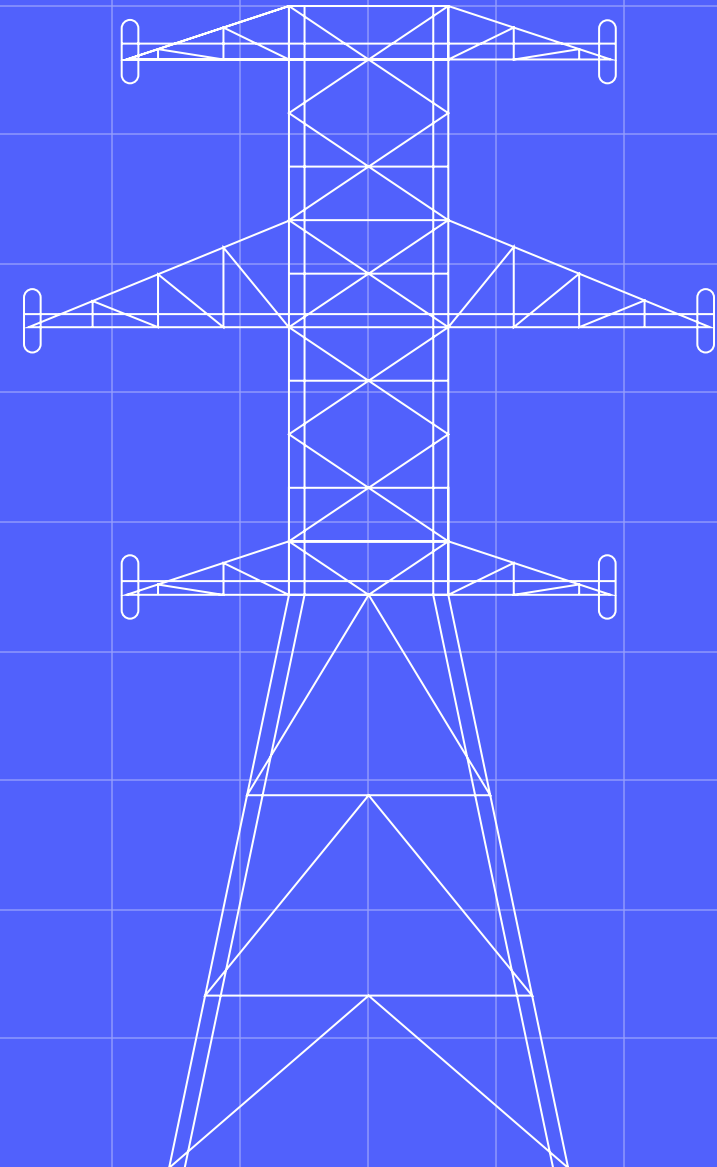
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CIT & Functional Test Approach and Plan

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

Dominic Mooney

5 mins

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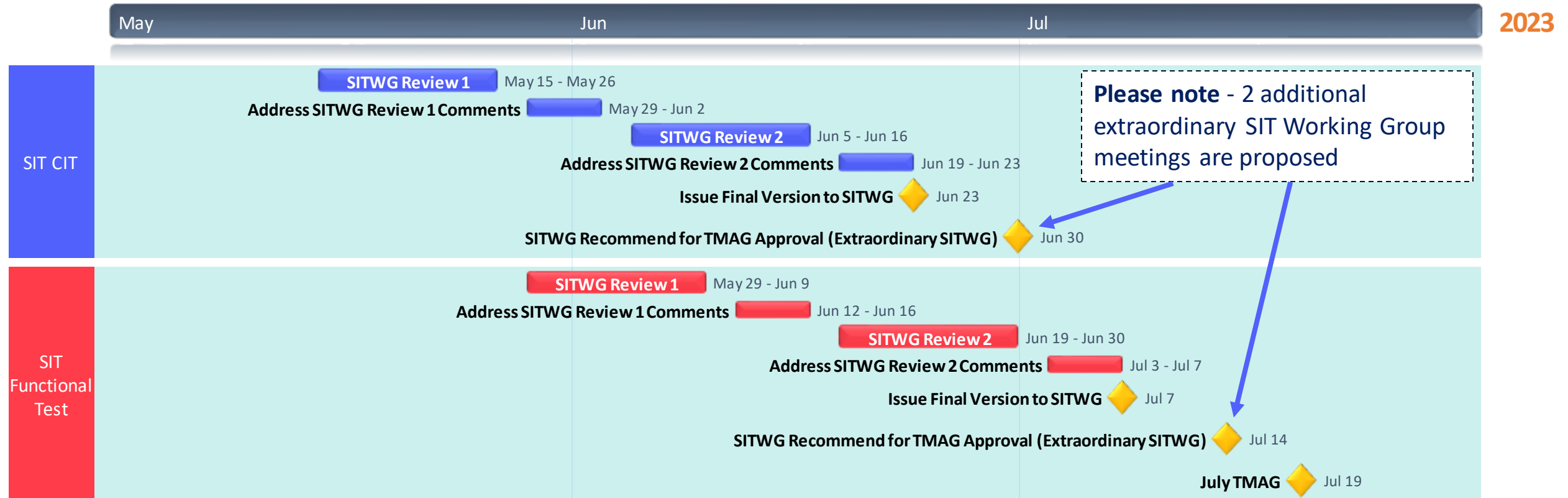
SIT CIT and Functional Test Approach and Plans Update

- The **CIT and Functional Test Approach and Plan** deliverables are currently under development in line with the other key informing SIT artefacts (i.e. Programme Re-plan, Scoping, Placing Reliance Policy and Test Scenarios)
- The CIT Test Approach and Plan is being prioritised and will be issued first to the SITWG for consultation
- Two working group review cycles are planned for each document, the proceeding review of Test scenarios and these document reviews have been staggered to limit the impact on participants
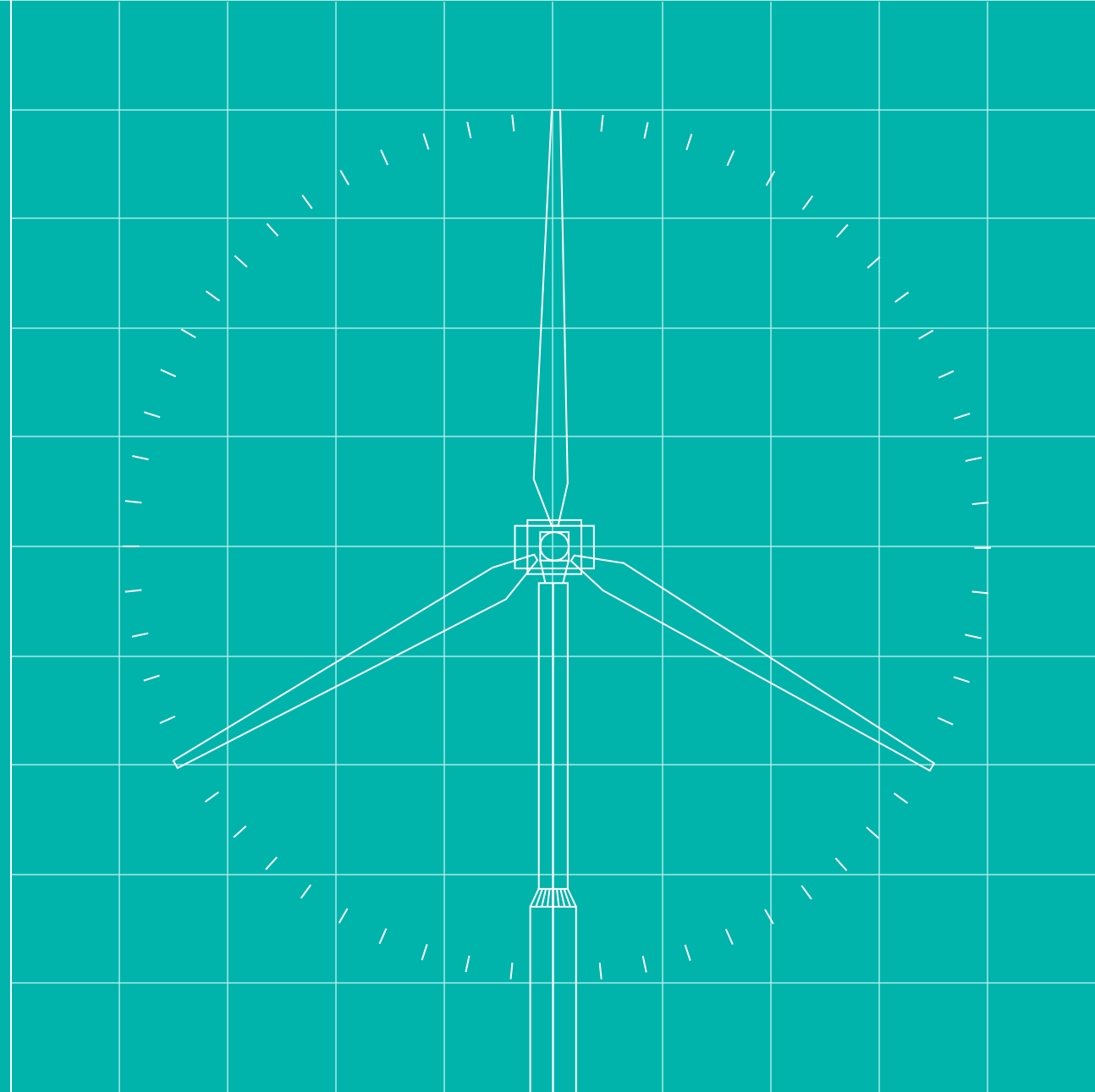
| May | Jun | Jul | **2023** |

SIT CIT

- **SITWG Review 1** — May 15 - May 26
- **Address SITWG Review 1 Comments** — May 29 - Jun 2
- **SITWG Review 2** — Jun 5 - Jun 16
- **Address SITWG Review 2 Comments** — Jun 19 - Jun 23
- **Issue Final Version to SITWG** — Jun 23
- **SITWG Recommend for TMAG Approval (Extraordinary SITWG)** — Jun 30

Please note - 2 additional extraordinary SIT Working Group meetings are proposed

SIT Functional Test

- **SITWG Review 1** — May 29 - Jun 9
- **Address SITWG Review 1 Comments** — Jun 12 - Jun 16
- **SITWG Review 2** — Jun 19 - Jun 30
- **Address SITWG Review 2 Comments** — Jul 3 - Jul 7
- **Issue Final Version to SITWG** — Jul 7
- **SITWG Recommend for TMAG Approval (Extraordinary SITWG)** — Jul 14
- **July TMAG** — Jul 19

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Test Data Approach and Plan

INFORMATION: Update on the Test Data Approach and Plan prior to approval at May TMAG

Cesar Lopes

10 mins

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Overarching Test Data Approach & Plan Production & Review

Mar 23 - Apr 6 **Draft document**

Apr 11 - Apr 14 **LDP review**

Apr 20 **Discuss main principles at DWG**

Apr 14 - Apr 21 **SRO/Code Body review**

Apr 21 - Apr 25 **Document revision**

Apr 25 - May 9 **DWG off-line review**

May 4 **Present principles at DWG and take major review comments**

May 9 - May 19 **Document revision**

May 12 **Publication of responses to comments**

May 16 **DWG in principle recommendation**

May 17 **TMAG in principle approval**

May 19 **Document publication revised draft**

May 19 - May 25 **Cooling-off period (exceptional comments)**

May 26 **Document publication final version**

2023

| Mar | Apr | May | **2023** |

Today

Apr 20
April DWG

May 4
May DWG

May 17
May TMAG

May 16
Extraordinary DWG

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Progress updates

INFORMATION:
- SITWG update
- Qualification update
- NFTWG update

Dominic Mooney
Anna Millar
Nigel Hunt

15 mins

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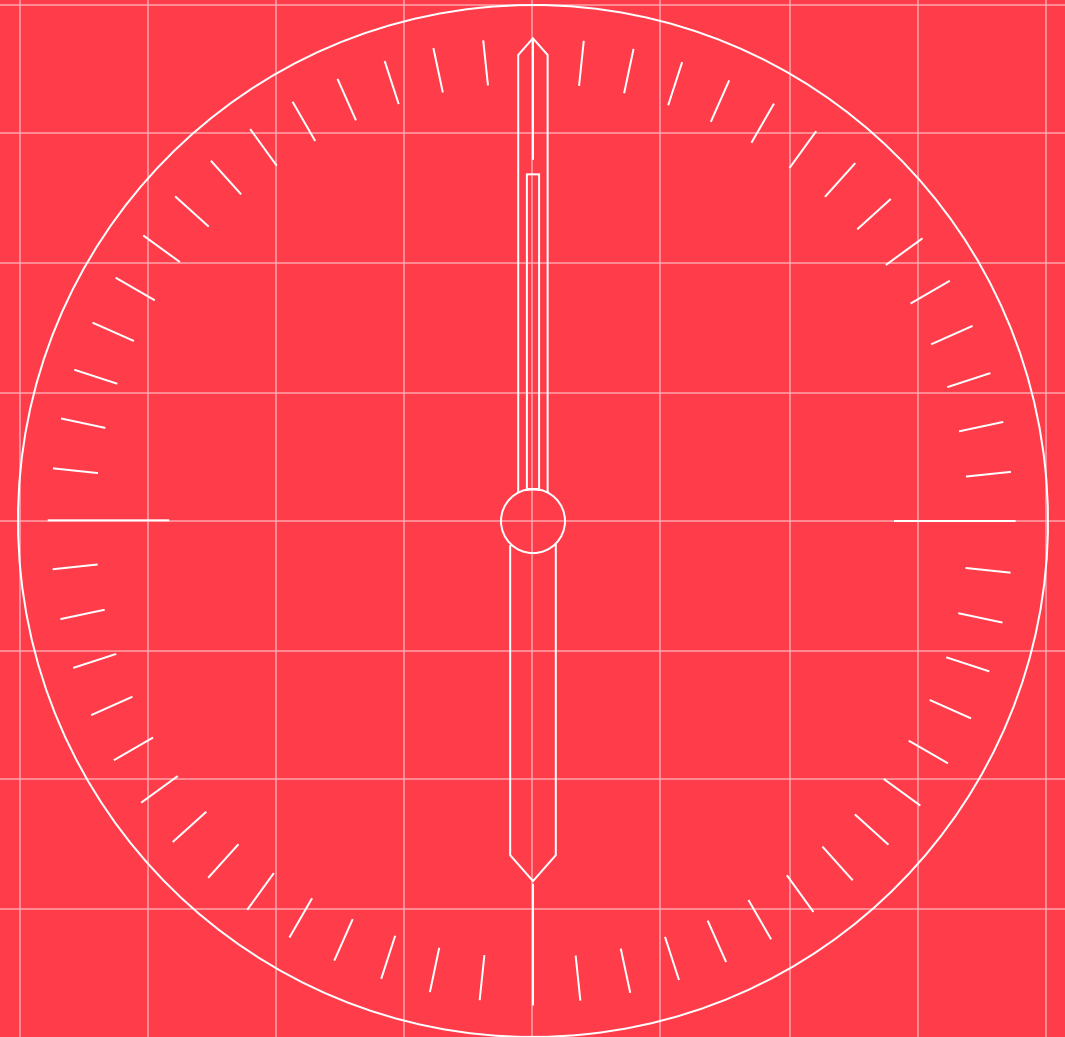
- PSG SIT Related Replan - provided updates from Programme Steering Group on SIT-related Programme Replan elements

- SIT Scoping Document – update on status of document and principal changes in latest version

- PIT Guidance - update on latest version of PIT Guidance, outlook on next versions and DBT1 options currently under programme consideration

- Placing Reliance - update on latest Placing Reliance Policy and principle changes since the last version

- CIT and Functional Test Scenarios - updates on CIT and Functional Test scenarios development and outlook on SITWG review

- Overarching Test Data Approach & Plan - update on outlook for overarching test data approach and plan deliverable

- CIT and Functional Test Approach and Plan Deliverables - update on CIT and Functional Test Approach and Plan deliverables

The QWG discussed the first draft of the Qualification Approach and Plan (QA&P):

- The QA&P consultation closed on Tuesday 11 April

- Code Bodies considered the key themes of the feedback and provided a view of next steps at QWG

- The first draft of the document is due for TMAG sign off next month

- Provided a description of what is expected of the NFTWG.

- Reviewed Non-Functional Requirements with explanations from Design team

- Provide an overview of the DIP non-functional requirements

- Discussion provided on the way in which the E2E Non-Functional requirements should be verified (on a per-requirement basis)

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Summary and next steps

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

Chair and Secretariat

5 mins

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Summary and next steps

Next steps:

1. Confirm actions and decisions from meeting
2. Date of next extraordinary TMAG: 27 April 2023
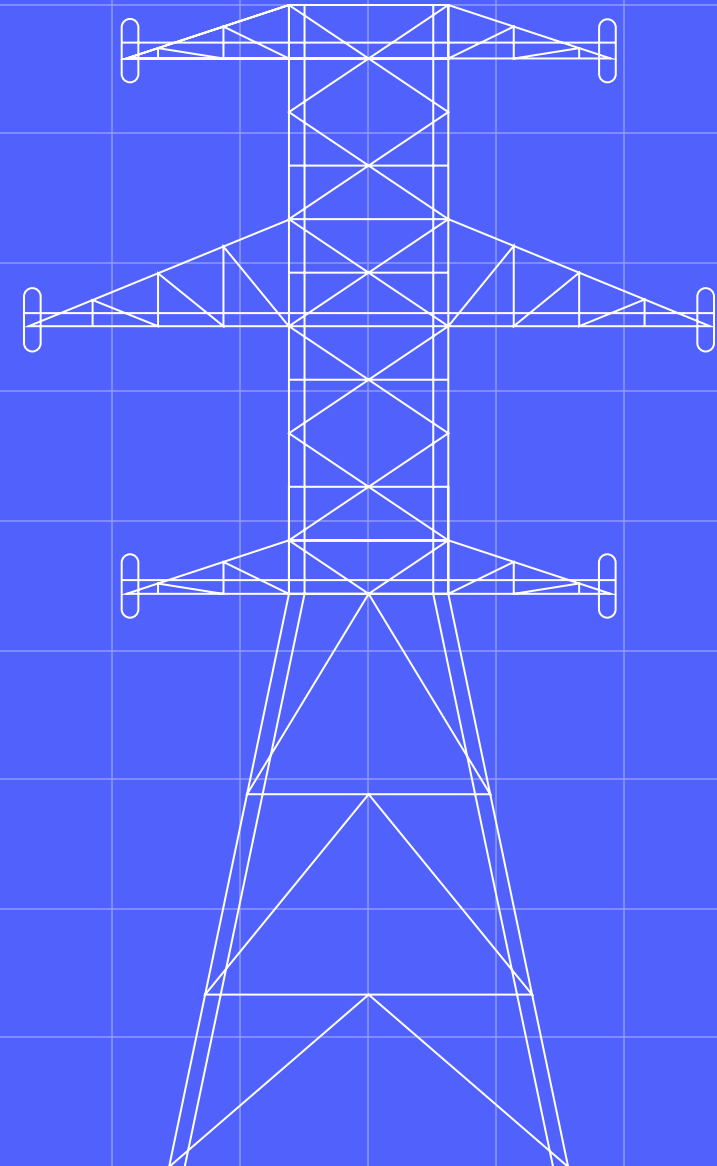3. Date of next TMAG: 17 May 2023

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

Meeting dates	19-Apr	17-May	21-Jun	19-Jul
Relevant milestones or activities	• DBT1 PIT • Placing Reliance Policy	• Migration, Cutover & Data Strategy • Test Data Approach and Plan		
Agenda items	• Migration, Cutover & Data Strategy approval • Data Cleanse Plan • DBT1 PIT approval • Placing Reliance Policy approval • CIT & Functional Test Approach and Plan • Test Data Approach and Plan	• Data Cleanse Plan • CIT & Functional Test Approach and Plan • Test Data Approach and Plan • Release and Configuration Management Approach	• TBC	• TBC
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	• Minutes and actions review • Programme updates • Working group report • Next steps and agenda roadmap

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

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Appendix

- DIP Simulator – overview

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? **What it is the DIP Simulator**

Release 1: 29th March

- Release 1 will include 15 priority interfaces within the Data Integration Platform (DIP) Simulator tool.

- The Data Integration Platform (DIP) is the new message orientated / event-driven middleware component that will support the flow of events / messages between industry participants as part of the MHHS Programme.

- The MHHS Simulators & Emulators workstream has provided the DIP Simulator tool; this is available to all participants for their use in Testing. The DIP Simulator will simulate some basic functionality of the DIP such as format validation and routing which means that it will be a useful addition to a participant's suite of testing tools.

- We have developed the DIP simulator for a subset of Programme interfaces, and we will continue to develop the DIP simulator to cover all relevant future interfaces, including a subset of report interfaces.

Interfaces	Interface name
MHHSP-IF013	MDS Defaults Applied
MHHSP-IF021	UTC Settlement Period Consumption Data
MHHSP-IF022	LSS Period Data
MHHSP-IF023	LSS Totals Data
MHHSP-IF024	Supplier Advisory Notification to DS
MHHSP-IF041	Cumulative Meter Reading
MHHSP-IF009	Registration Service Notification of Disconnection
MHHSP-IF014	Rejected Consumption Data Submission
MHHSP-IF018	Notification of Registration Data Item Changes
MHHSP-IF026	Registration Service Notification of Supplier Data Chg
MHHSP-IF036	Registration Service Notification of Service Appointment & Supporting Info
MHHSP-IF040	Notification of ECS Annual Consumption
MHHSP-IF043	Registration Service Notification of Change of Connection Type
MHHSP-IF044	Registration Service Notification of Change of Segment
MHHSP-IF047	Notification of the Publication of a Downloadable Asset

Requirements

- The DIP Simulator will support various interfaces and roles including webhook registration.

- It can Generate messages that the participant systems would expect to receive and present in a way that they are consumable by the intended participant.

- The simulator supports the external test tool Postman.

- It has a library of outgoing messages by Interface/Publication available for sending that Users can select from.

- Basic validation of JSON structure, enumeration, and data types is included.

- The simulator can also be downloaded and used locally.

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For more information related to the DIP Simulator release 1 please review the latest copy of The Clock Article 29 March 2023

DIP Simulator – Access

- Sims & Ems Testing tools are provided for final validation in the testing process; we encourage participants start testing with the Simulator
- Participants can request access to the DIP Simulator in its current version. If you are interested, please email the Sims & Ems team at Sims.Ems@mhhsprogramme.co.uk
- You can access the DIP Simulator here: https://mhhs-dipsim-prod-webapp.azurewebsites.net/#

- 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 Sims.Ems@mhhsprogramme.co.uk 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

There are currently 88 individuals across 32 of the Programme's participant organisations who are using the DIP Simulator