MHHS PROGRAMME

Industry-led, Elexon facilitated

Testing and Migration Advisory Group (TMAG) #22
16 August 2023

Version 1.0

Agenda (1/2)

| #	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*	4
3	**Programme updates**	Provide updates from L2/3 governance groups and wider Programme activity	Information	Programme PMO	*0 mins*	6
4	**Working group report**	Provide updates from discussion at the DWG, MWG, EWG, QWG, SITWG, NFTWG and MDSG	Information	Working group leads	*0 mins*	8
5	**Upcoming Programme Milestones related to TMAG**	Update on upcoming Programme milestones related to TMAG and milestone changes coming for approval: Data Cleanse and Migration milestones	Information / Decision	Programme (PMO)	10:10-10:15 *5 mins*	10
6	**Environments Approach and Plan**	Approve version 2.5 of the Environments Approach and Plan	Decision	Programme (Simon Berry)	10:15-10:25 *10 mins*	16
7	**DIP Onboarding / DCC PKI Certificates**	Update on the DIP Onboarding Plan and to inform PPs of the timeline of which they can request PKI certificates for MHHS	Information	Programme (Simon Berry)	10:25-10:35 *10 mins*	19
8	**SIT Functional Test Approach and Plan approval**	Approve version 0.4 of the SIT Functional Test Approach and Plan	Decision	Programme (Lee Cox)	10:35-10:40 *5 mins*	22
9	**SIT Functional Test Data Approach and Plan**	Approve version 0.4 of the SIT Functional Test Data Approach and Plan	Decision	Programme (Cesar Lopes)	10:40-10:50 *10 mins*	24
10	**CIT Test Scenarios Update**	Update on version 5.2.1 of the CIT Test Scenarios (verbal)	Information	Programme (Kevin Davis)	10:50-11:00 *10 mins*	26
11	**CIT Readiness criteria**	Approve CIT Readiness Criteria and Tracking	Decision	Programme (Dominic Mooney)	11:00-11:10 *10 mins*	27
12	**Qualification Working group update**	Update on discussions with code delivery bodies on qualification and activity at the QWG	Information	Elexon & REC Performance Assurance	11:10-11:15 *5 mins*	31
13	**IPA Test Assurance Update**	Update on Test Assurance Period 2: Approach and next steps	Information	IPA	11:15-11:25 *10 mins*	36
14	**Top Programme Risks related to TMAG**	Update on the top Programme risks related to TMAG	Information	Programme (Workstream Leads)	11:25-11:35 *10 mins*	38

(Items 6–12 grouped under: Testing)

Agenda (2/2)

#	Item	Objective	Type	Lead	Time	Page
15	**Summary and next steps**	Summarise actions/decisions and look ahead to the next TMAG	Information	Chair and Secretariat	11:35-11:40 *5 mins*	40
16	**Appendices**	• Attachment 1 – MHHS-DEL1507SIT Readiness Tracker • Appendix 1 – Environments Approach and Plan version 2.5 • Appendix 2 - SIT Functional Test Approach and Plan version 0.4 • Appendix 3 - SIT Functional Test Data Approach and Plan version 0.4 • Appendix 4 - CIT Test Scenarios version 5.2.1 • Appendix 5 - Migration Activities 2023 – 2026 • Appendix 6 - ESME ID, Meter Location, Number of Displayed Register Digits and D0312 Maintenance Timelines • Appendix 7 - Connection Type • Appendix 8 - Import / Export MPANs Linking				42

Minutes and Actions

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

Chair and Secretariat

5 mins

MHHS PROGRAMME

Industry led, Elexon facilitated
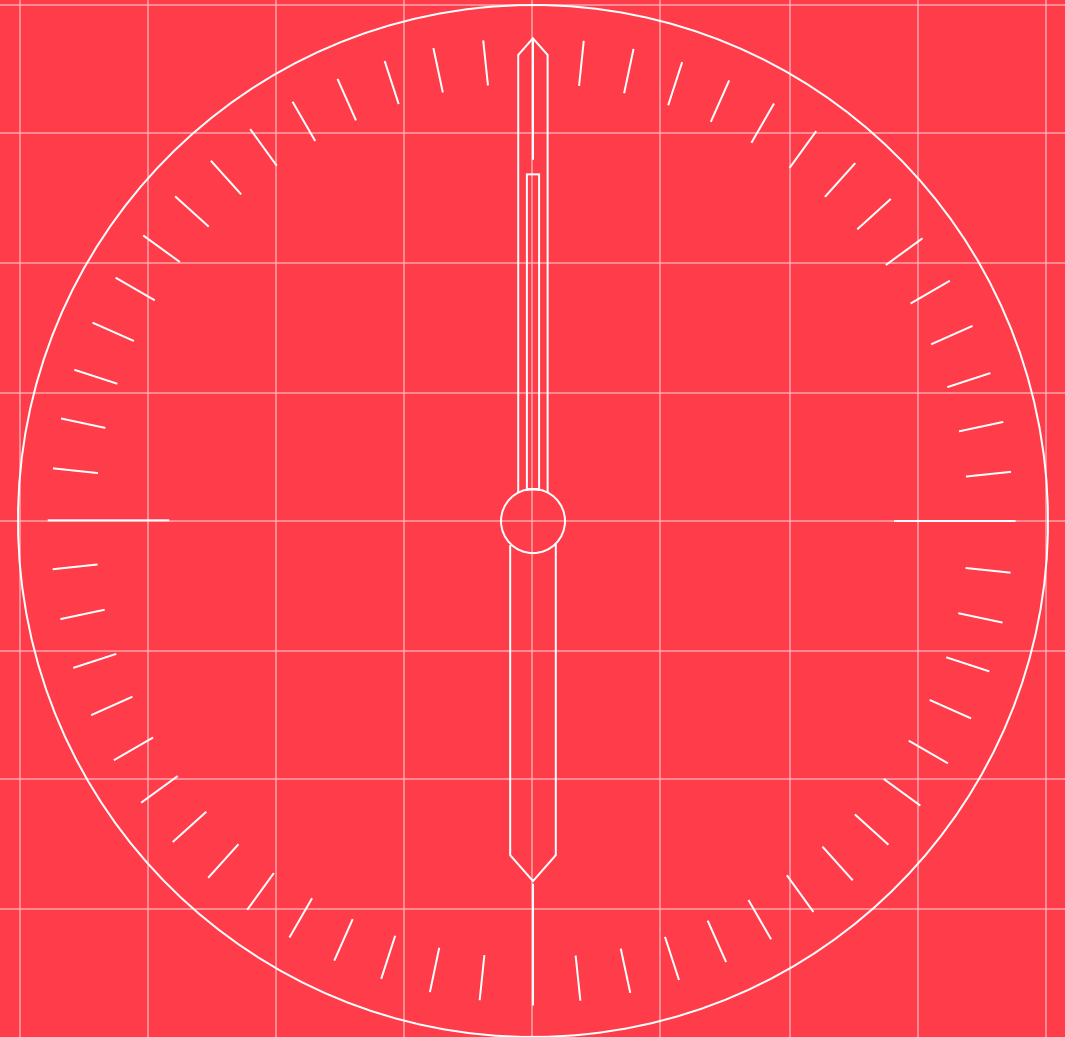
Minutes and Actions review

1. **Approval of Minutes** from 19 July 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
TMAG19-02	31/05/23	Programme to produce a plan-on-a-page for the Migration deliverables (including lower-level artefacts).	Programme (John Wiggins)	16/08/23	Recommend Closed	To be included in the appendices.
TMAG20-02	19/06/23	Programme to discuss End-to-end Testing Integration Strategy, and provide a plan to socialise when industry will see this document.	Programme (Lee Cox)	16/08/23	Open	Target update for the End-to-end Testing Integration Strategy is October TMAG.
TMAG21-01	19/07/23	Programme to include a verbal update for each of the top risks relevant to TMAG at the next meeting.	Programme	16/08/23	Recommend Closed	Top Programme risks related to TMAG to be provided as a rolling update.
TMAG21-02	19/07/23	Elexon Qualification Lead to provide update on R525 at the next TMAG.	Elexon (Anna Millar)	16/08/23	Recommend Closed	To be provided during agenda item 11.
TMAG21-03	19/07/23	Programme to raise a dependency in the Programme Plan around the SDEP requirements in the Data Cleanse Plan.	Programme (John Wiggins)	16/06/23	Recommend Closed	This has been actioned. D163: There is a dependency on SDEP being improved to enable it to be used as set out in the Data Cleanse Plan. It needs to be improved so that data cleanse messages can be separated out from BAU messages and also it needs to be made accessible to all Market roles.

*R281: There is a risk that there may not be sufficient time for later Qualified Participants to complete their migration activities between M14 and M15.

R525: 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.

MHHS
PROGRAMME
Industry-led, Elexon facilitated

Programme Updates

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

PMO

0 mins – taken as read, questions by exception

MHHS PROGRAMME

Industry led, Elexon facilitated
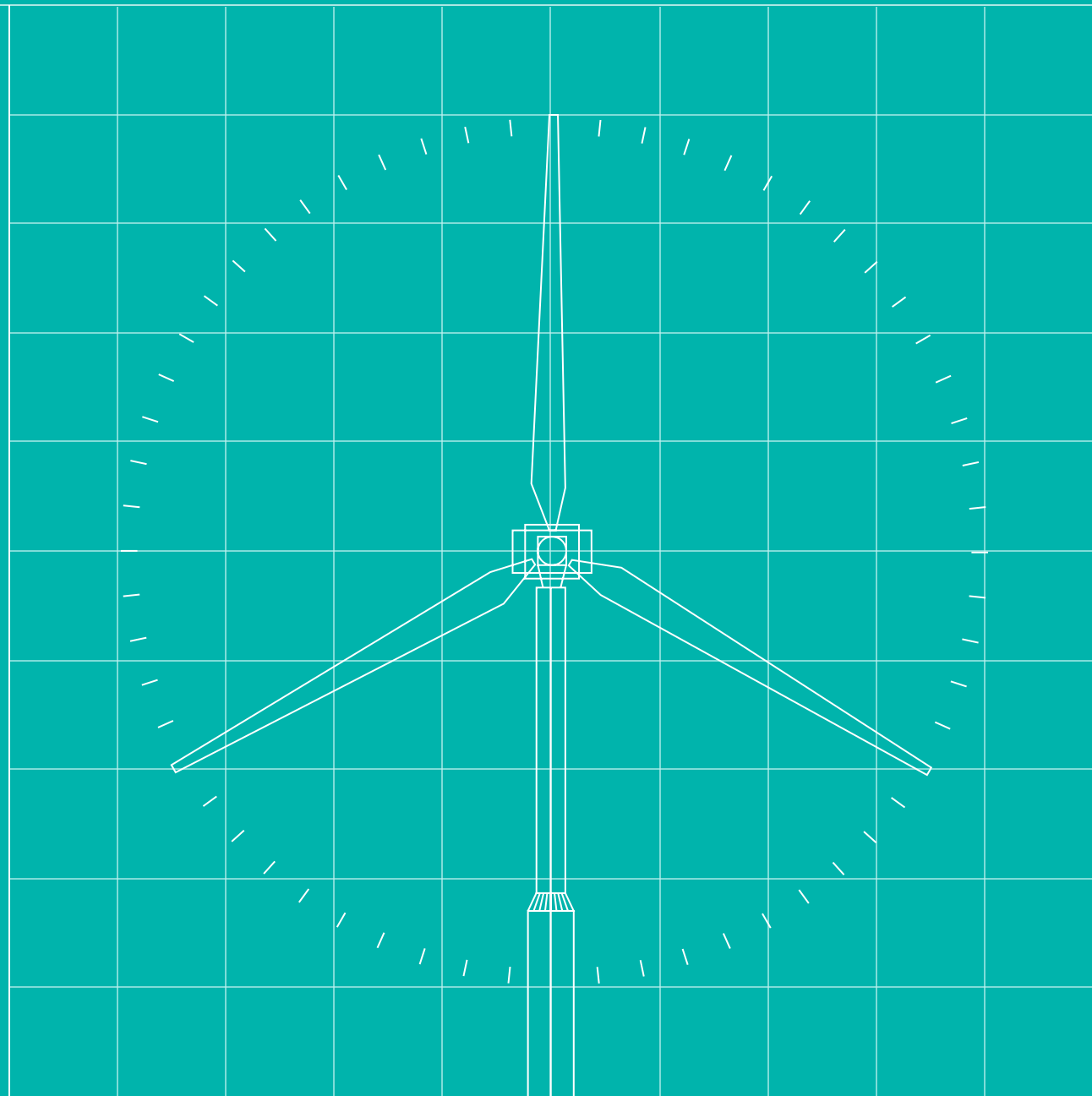
Governance group updates

Programme Steering Group (PSG)

Updates from PSG 02 August 2023

1. **Route to M9:** PSG received an overview of activities required and the process for approval in the sign-off of M9 (System Integration Test Start). This included the route to SIT readiness, SIT CIT & SIT Functional timelines and an overview of decision choreography & high-level criteria.

2. **SIT Assurance Observations:** PSG received an overview of observations gathered as part of delivery and design assurance in readiness for M9 (System Integration Test Start)

3. **Core Capability Provider Update:** PSG members received focused delivery updates from SCS, DCC and RECCo

4. **IPA Testing Assurance:** The IPA provided an update on the outcome of the P1 Test Assurance report and timelines for P2.

PSG papers available here.

Testing and Migration Advisory Group (TMAG)

Update from TMAG 19 July 2023

1. **Data Cleanse Plan:** The TMAG approved version 0.3 of the Data Cleanse Plan and the setting up of a new Data Cleanse Working Group.

2. **Milestone changes for approval:** The TMAG approved milestone changes to the Environment Approach and Plan (with the caveat of further iteration on the two latter dates), CIT Scenarios and SIT Functional Test Scenarios

3. **Overarching Test Data Approach and Plan:** The TMAG approved version 0.8 of the Overarching Test Data Approach and Plan.

4. **CIT Test and Test Data Approaches & Plans:** The TMAG approved version 0.4 od the CIT Test Approach and Plan & version 0.5 of the CIT Test Data Approach and Plan.

5. **Working Group Progress Updates:** The Programme provided an update on the Qualification and E2E Sandbox Working Group.

6. **IPA Test Assurance Update:** The IPA provided an update on the outcome of the P1 Test Assurance report and timelines for P2.

TMAG papers available here

Design Advisory Group (DAG)

Updates from DAG 09 August 2023

1. **CR024 Decision:** The DAG Chair approved CR024 (Data Item Names and Descriptions). The change will now be scheduled for release via the Design Issues Notification (DIN) Log and the release date confirmed in due course.

2. **CR023 & CR027:** Decisions on approval of CR023 (Standardisation of Interfaces within the Smart and Advanced Data Services Roles) and CR027 (Distribution Use of System (DUoS) E-Billing Data Integration Platform (DIP) message for MHHS) were deferred to the September 2023 DAG meeting, pending the provision on implementation plans by the Programme.

3. **CR028, CR029 & CR030:** These new CRs were approved for issuance to Impact Assessment (IA) subject to minor amendments. Each CR will be issued for IA in dues course with notification to be provided to all Principal Contacts and view The Clock.

4. **DES-196 D-Flow and Interface Mapping:** DAG approved the issuance supplementary documents relating to data flows for consulation.

DAG papers available here

Cross Code Advisory Group (CCAG)

Update from CCAG 26 July 2023

1. **Horizon Scanning Log:** For the DCUSA, DCP416, DCP328 were discussed. The Programme clarified that DCP416 had been raised as a change and DCP328 had been rejected. For REC, R0117, R0132, R0133, R0043, R0062 were discussed. The REC also gave an update to the existing Code Body changes.

2. **CCAG Reporting:** The Programme provided updates on code drafting activities against approved code drafting plan, including updates on Registration and BSC Central Services consultation responses. There was further updates on Interfaces, Qualification, Migration, Code Drafting POAP and the plan for an additional Mop-up consultation in December.

3. **CR018 Code Drafting Approach:** The Programme provided an overview of their interpretation of how CR018 design changes are to be translated into code.

4. **CDWG Update:** The Programme provided an update from the Code Drafting Working Group (CDWG).

CCAG papers available here

Wider Programme updates

Readiness Assessment Three (RA3)
On **5 September 2023**, the Programme will run the third Readiness Assessment (RA3) and the Programme will issue questions, seeking responses from participants on their Programme readiness. We'll email the RA3 survey to Programme participants on **5 September** and participants have until **25 September 2023** to complete the survey.

Participant Checklist
- Interim Release 3 Design Artefacts are available on the Baselined Design Artefacts page of the MHHS website. For ease we have also published Red-lined Design Artefacts page to make clear which sections have been updated. The **objection cut-off date for Interim Release 4** is **Wednesday 16 August 2023**. A new version of the Design Issue Notification (DIN) Log and will be updated again follow ing publication of the Interim Release 3 Design Artefacts. For more information please visit the Design Review Process page of the MHHS website and the Master Consultations Dashboard
- The Programme have published an updated version of the Environment Approach & Plan along with a Consolidated Comments Log. We've published two forms of the document:
    - Red-lined version showing the changes between v2.4 and v2.5
    - Clean uplifted version (v2.5) that reflects actioned comments
Both documents and the Consolidated Comments Log are available on the Testing Overview page on the MHHS website.
- The MHHS Programme has received the documents: **ISD Participant Guidance Document** and **seven ISD Data Sample files** provided in csv format. They should be reviewed with the **DES138 Interface Catalogue** and **BP021 Industry Standing Data (Elexon Central Systems (ECS)) v5.0**, both of which are available as part of the Baselined Design Artefacts.
- To support Programme participant testing across multiple versions of the Design, the Programme has released the DIP Simulator in both the **Design version 5** and the new **Design Interim Release 2.**

Guidance Documents:
- We've published the **Data Integration Platform (DIP) Certification Process Map** on the DIP page of the MHHS website.
- We've launched a Programme Knowledge Base to help Programme participants.

Upcoming events:
- The next Design Advisory Group (DAG) is on **Wednesday 9 August 2023**.
- MHHS Webinar: Readiness Assessment Three (RA3) on 24 August 2023 12:30-13:15
- MHHS Webinar: Data Integration Platform (DIP) Onboarding on 7 September 2023 12:30-13:15
- **8 August:** Code Drafting Working Group (CDWG), Qualification and End to End Sandbox Working Group (QWG)
- **9 August:** Design Advisory Group (DAG), Extraordinary Systems Integration Testing Working Group (SITWG)

MHHS PROGRAMME
Industry-led, Elexon facilitated

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*

MHHS PROGRAMME

Industry led, Elexon facilitated
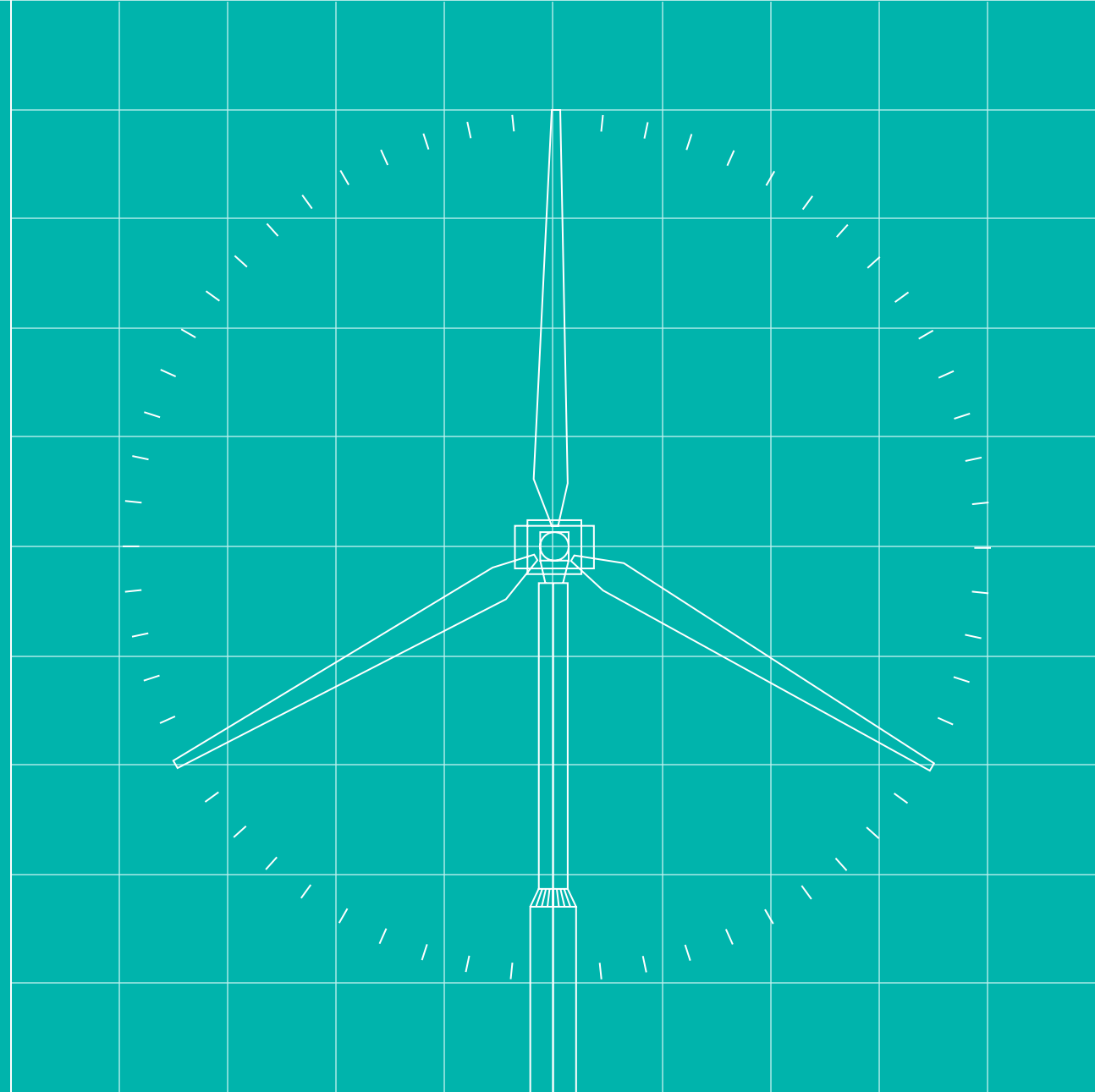
	Data Working Group (DWG)	Migration Working Group (MWG)	Environments and Configuration Management Working Group (EWG)	Qualification and E2E Sandbox Working Group (QWG)	Systems Integration Test Working Group (SITWG)	Non-Functional Testing Working Group (NFTWG)
Upcoming deliverables	• TBC	• Migration Thresholds and Migration Profile (September TMAG)	• Environments Approach and Plan (final version planned to come to August TMAG)	• SIT-CIT Approach & Plan • SIT-Functional Approach & Plan	• CIT Test Scenarios (August TMAG) • SIT Functional Test Approach & Plan (August TMAG) • SIT Functional Test Scenarios (September TMAG)	
Next meeting's agenda items	07 September 2023 • TBC	24 August 2023 • Migration Thresholds and Migration Profile	05 September 2023 • TBC	12 September 2023 • TBC	07 August 2023 • TBC	15 August 2023 • Non-Functional Requirements • Categorisation of NFRs • NFT volumetrics and guidance • NFTWG programme risks
Agenda items from last meeting	03 August 2023 • Data Schedule update • MPANs reference Table • Decision on the approach for MPAN obfuscation • Data Cut Plan by Market Role	13 July 2023 • Migration Thresholds and Migration Profile • Data Cleanse Plan	01 August 2023 • SIT Functional Test Connectivity Proving Period • DIP Onboarding • Sign-off of the Environment Approach and Plan Recommendation	08 August 2023 • Update on Qualification Testing • Role Based Qualification • General update on Qualification • Programme Update on DBT2	09 August 2023 • CIT Test Scenarios • SIT Functional Test Data Approach & Plan • SIT Functional Test Approach & Plan • Test Management Tool • CIT Test Readiness	18 July 2023 • Non-Functional Requirements • Draft NFT PIT Guidance • NFT Roadmap • DIP NFT Overview
TMAG escalations	None	None	None	None	None	None

MHHS PROGRAMME
Industry-led, Elexon facilitated

Upcoming Programme Milestones related to TMAG

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

Programme (PMO)

10 mins
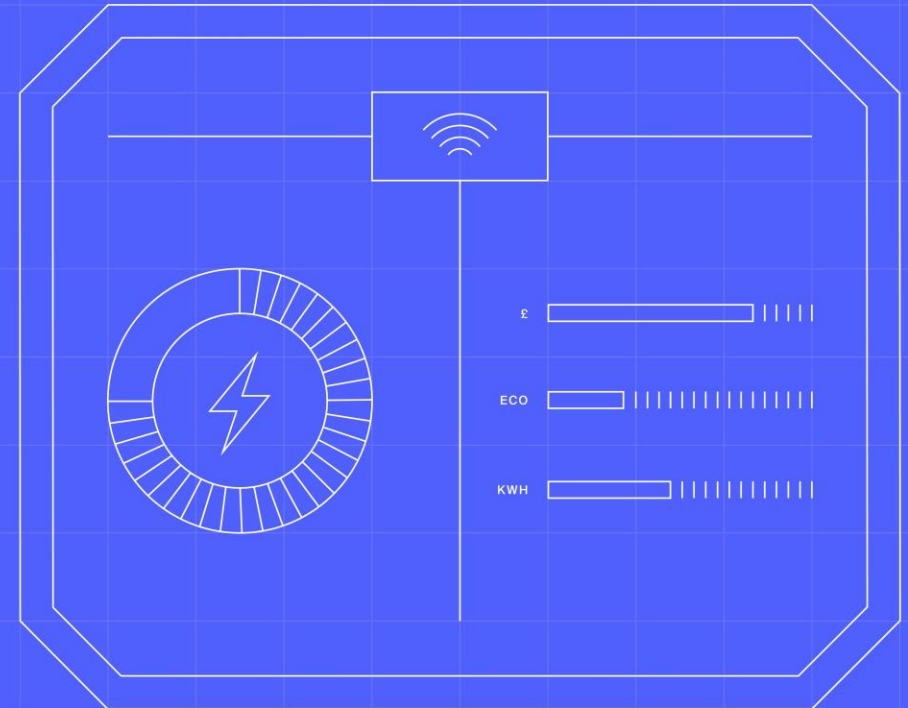
MHHS PROGRAMME
Industry-led, Elexon facilitated

There are several milestones we have added to the plan:

Milestone Change	Milestone Tier	Milestone ID	Milestone Title	Plan Section	Baseline Date	Forecast Date	Last RAG	Current RAG	Next RAG	Update
Name & Date Change	Tier 3	T3-DB-0039	DIP Simulator uplifted to align with Interim Release 5	SI DevOps	Fri 15/12/23	Fri 03/11/23	Green	Green	Green	
New	Tier 3	T3-TE-0086	Data Sharing Agreements Complete	SI Test Data	NA	Fri 25/08/23	Grey	Green	Blue	
New	Tier 3	T3-TE-0087	SI Data Cut Preparation & Infrastructure Complete	SI Test Data	NA	Fri 18/08/23	Grey	Green	Blue	
New	Tier 3	T3-TE-0083	Test Data - ISD Creation Complete	SI Test Data	NA	Fri 01/09/23	Grey	Green	Blue	
New	Tier 3	T3-TE-0084	Test Data - SFTP Onboarding Complete	SI Test Data	NA	Wed 06/09/23	Grey	Green	Blue	
New	Tier 3	T3-TE-0085	Test Data - Provide Sample Files Complete	SI Test Data	NA	Fri 01/09/23	Grey	Green	Blue	
New	Tier 3	T3-TE-0073	Test Data (SIT A) Interval 1 Complete	SI Test	NA	Fri 29/09/23	Grey	Green	Green	
New	Tier 3	T3-TE-0074	Test Data (SIT A) Interval 2 Complete	SI Test	NA	Fri 20/10/23	Grey	Green	Green	
New	Tier 3	T3-TE-0075	Test Data (SIT A) Interval 3 Complete	SI Test	NA	Fri 03/11/23	Grey	Green	Green	
New	Tier 3	T3-TE-0076	Test Data (SIT A) Interval 4 Complete	SI Test	NA	Fri 17/11/23	Grey	Green	Green	
New	Tier 3	T3-TE-0077	Test Data (SIT A) Interval 5 Complete	SI Test	NA	Fri 08/12/23	Grey	Green	Green	
New	Tier 3	T3-TE-0078	Test Data (SIT A) Interval 6 Complete	SI Test	NA	Fri 22/12/23	Grey	Green	Green	
New	Tier 3	T3-TE-0088	SIT participants have received DCC CSS PKI certificates for UIT-B environment	SIT Participants (Suppliers & Third Parties)	NA	Fri 15/12/23	Grey	Green	Green	
New	Tier 3	T3-TE-0089	SIT participants have received DCC DSP PKI certificates for UIT-B environment	PPs in SDS Market Role	NA	Fri 15/12/23	Grey	Green	Green	
New	Tier 3	T3-TE-0079	Cycle 1 Test data (SIT A) Complete	SI Test Data	NA	Fri 09/02/24	Grey	Green	Green	
New	Tier 3	T3-TE-0080	Cycle 2 Test data (SIT A) Complete	SI Test Data	NA	Fri 05/07/24	Grey	Green	Green	
New	Tier 3	T3-TE-0081	Cycle 3 Test data (SIT A) Complete	SI Test Data	NA	Fri 13/09/24	Grey	Green	Green	
New	Tier 3	T3-TE-0082	Test data (SIT A) Complete	SI Test Data	NA	Fri 25/10/24	Grey	Green	Green	

MHHS PROGRAMME
Industry-led, Elexon facilitated

Milestone Changes (2 of 2)

There are several milestones we have added to the plan:

Milestone Change	Milestone Tier	Milestone ID	Milestone Title	Plan Section	Baseline Date	Forecast Date	Last RAG	Current RAG	Next RAG	Update
New	Tier 3	T3-MI-0024	DCC to extract ESME ID and share with LDSO	DCC/SI	NA	Fri 16/08/24				
New	Tier 3	T3-MI-0025	LDSO 'full refresh' between their Registration Service and the EES (ESME ID)	LDSO/EES	NA	Fri 27/09/24				
New	Tier 3	T3-MI-0026	LDSO 'full refresh' between their Registration Service and the EES (Meter Location and Number of Displayed Register Digits)	LDSO /EES	NA	Fri 27/09/24				
New	Tier 3	T3-MI-0027	Automated Population of Connection Type for Measurement Classes 'B', 'D', 'F' & 'G'	LDSO	NA	Fri 13/09/24				
New	Tier 3	T3-MI-0028	BAU Population of Connection Type for Site Specific LLFCs within Measurement Classes 'C' & 'E'	LDSO	NA	Fri 13/09/24				
New	Tier 3	T3-MI-0029	Automated Population of Connection Type for Smart Meters within Measurement Class 'A'	LDSO	NA	Fri 13/09/24				
New	Tier 3	T3-MI-0030	Automated Population of Null Connection Type	LDSO	NA	Fri 13/09/24				
New	Tier 3	T3-MI-0031	Each LDSO has updated records.	LDSO	NA	Fri 18/10/24				
Remove	Tier 3	T3-MI-0018	Migration Period Plan Review 2 Completed	SI Migration	Fri 31/01/25	Thu 31/07/25				
Remove	Tier 3	T3-MI-0019	Migration Period Plan Review 3 Completed	SI Migration	Fri 31/01/25	Fri 31/10/25				

MHHS PROGRAMME
Industry-led, Elexon facilitated

| Milestone Tier	Milestone ID	Milestone Title	Plan Section	Baseline Date	Forecast Date	Last RAG	Current RAG	Next RAG	Update
Tier 3	T3-DB-0026	DIP Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 07/07/23	Fri 07/07/23	Blue	Blue	Grey	
Tier 3	T3-DB-0029	Elexon Central Systems Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 07/07/23	Thu 13/07/23	Blue	Blue	Grey	
Tier 3	T3-TE-0072	Test Data Overarching Approach & Plan approved by TMAG	SRO Test	Wed 17/05/23	Wed 19/07/23	Green	Blue	Grey	
Tier 3	T3-TE-0012	SIT Component Integration Testing Test Approach & Plan approved	SI Test	Wed 19/07/23	Wed 19/07/23	Green	Blue	Grey	
Tier 3	T3-MI-0020	Data Cleanse Plan approved	SI Migration	Wed 14/06/23	Wed 19/07/23	Green	Blue	Grey	
Tier 3	T3-DB-0028	Registration Services Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 28/07/23	Fri 28/07/23	Green	Blue	Grey	
Tier 3	T3-DB-0036	DIP test scenarios submitted to Programme for assurance	PP	Fri 04/08/23	Mon 31/07/23	Green	Blue	Grey	
Tier 3	T3-DB-0030	Elexon Central Systems RTTM submitted to Programme for assurance	PP	Fri 04/08/23	Fri 04/08/23	Green	Blue	Grey	
Tier 3	T3-DB-0032	Elexon Central Systems test scenarios submitted to Programme for assurance	PP	Fri 04/08/23	Fri 04/08/23	Green	Blue	Grey	
Tier 3	T3-DB-0034	DIP RTTM submitted to Programme for assurance	PP	Fri 04/08/23	Fri 04/08/23	Amber	Red	Green	Date to be replanned, awaiting confirmation from Avanade regarding when this will be available
Tier 3	T3-TE-0067	E2E Sandbox Guidance approved	SI Test	Fri 04/08/23	Fri 04/08/23	Red	Red	Red	Scope and need for this deliverable is under review with the Programme
Tier 3	T3-DB-0035	DIP Simulator uplifted to align with Interim Release 2	SI DevOps	Fri 11/08/23	Fri 11/08/23	Green	Green	Blue	
Tier 3	T3-DB-0038	Data Services Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 11/08/23	Fri 11/08/23	Green	Green	Blue	
Tier 3	T3-TE-0068	Environment Approach & Plan - Work Off Approved	SI Test	Fri 30/06/23	Wed 16/08/23	Red	Green	Blue	
Tier 3	T3-TE-0017	Production data cut GONG decision	SI Test Data	Wed 16/08/23	Wed 16/08/23	Amber	Green	Blue	
Tier 3	T3-TE-0014	SIT Component Integration Testing Test scenarios approved	SI Test	Fri 02/06/23	Wed 16/08/23	Green	Green	Blue	
Tier 3	T3-TE-0013	SIT Functional Testing Test Approach & Plan approved	SI Test	Wed 16/08/23	Wed 16/08/23	Green	Green	Blue	
Tier 2	T2-TE-0200	Data cut from relevant participants' production systems completed (Saturday 19 August)	SI Test Data	Mon 21/08/23	Mon 21/08/23	Green	Green	Green	

MHHS PROGRAMME
Industry-led, Elexon facilitated

Milestone Tier	Milestone ID	Milestone Title	Plan Section	Baseline Date	Forecast Date	Last RAG	Current RAG	Next RAG	Update
Tier 3	T3-DB-0040	Metering Services Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 25/08/23	Fri 25/08/23				
Tier 3	T3-DB-0042	Registration Services RTTM submitted to Programme for assurance	PP	Fri 01/09/23	Fri 01/09/23				
Tier 3	T3-DB-0044	Registration Services test scenarios submitted to Programme for assurance	PP	Fri 01/09/23	Fri 01/09/23				
Tier 3	T3-TE-0069	SIT Component Integration Testing Test cases approved	SI Test	Fri 01/09/23	Fri 01/09/23				
Tier 3	T3-TE-0019	SIT Participants' SIT A environments ready to start connectivity proving (incl certificates and security compliance) CIT Interval 1	SI Test	Fri 01/09/23	Fri 01/09/23				
Tier 3	T3-TE-0070	SIT Functional Testing Test cases approved	SI Test	Fri 01/09/23	Fri 01/09/23				Timeline to be reviewed I line with test scenario development
Tier 3	T3-DB-0052	UMSO Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 15/09/23	Fri 15/09/23				
Tier 3	T3-DB-0054	Network Operation Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 15/09/23	Fri 15/09/23				
Tier 3	T3-DB-0046	SIT Suppliers Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 15/09/23	Fri 15/09/23				
Tier 3	T3-DB-0048	Metering Services RTTM submitted to Programme for assurance	PP	Fri 15/09/23	Fri 15/09/23				
Tier 3	T3-DB-0050	Metering Services test scenarios submitted to Programme for assurance	PP	Fri 15/09/23	Fri 15/09/23				
Tier 3	T3-TE-0015	SIT Functional Testing Test scenarios approved	SI Test	Fri 02/06/23	Wed 20/09/23				
Tier 3	T3-MI-0021	Threshold volumes approved at TMAG	SI Migration	Wed 20/09/23	Wed 20/09/23				
Tier 3	T3-DB-0058	Data Services RTTM submitted to Programme for assurance	PP	Fri 22/09/23	Fri 22/09/23				
Tier 3	T3-DB-0056	Data Services test scenarios submitted to Programme for assurance	PP	Fri 22/09/23	Fri 22/09/23				
Tier 3	T3-TE-0020	SIT Participants' SIT A environments ready to start connectivity proving (incl certificates and security compliance) CIT Interval 2	SI Test	Fri 22/09/23	Fri 22/09/23				
Tier 3	T3-DB-0013	PP PIT Completion Report (excl. Migration/Reverse Migration) submitted to Programme for assurance CIT Interval 1	PP	Fri 29/09/23	Fri 29/09/23				
Tier 3	T3-DB-0060	UMSO RTTM submitted to Programme for assurance	PP	Fri 06/10/23	Fri 06/10/23				

MHHS PROGRAMME
Industry-led, Elexon facilitated

Milestone Tier	Milestone ID	Milestone Title	Plan Section	Baseline Date	Forecast Date	Last RAG	Current RAG	Next RAG	Update
Tier 3	T3-DB-0025	UMSO test scenarios submitted to Programme for assurance	PP	Fri 06/10/23	Fri 06/10/23				
Tier 3	T3-DB-0062	Network Operation RTTM submitted to Programme for assurance	PP	Fri 06/10/23	Fri 06/10/23				
Tier 3	T3-DB-0011	Network Operation test scenarios submitted to Programme for assurance	PP	Fri 06/10/23	Fri 06/10/23				
Tier 3	T3-DB-0064	SIT Suppliers RTTM submitted to Programme for assurance	PP	Fri 06/10/23	Fri 06/10/23				
Tier 3	T3-DB-0037	SIT Suppliers test scenarios submitted to Programme for assurance	PP	Fri 06/10/23	Fri 06/10/23				
Tier 3	T3-TE-0021	SIT Participants' SIT A environments ready to start connectivity proving (incl certificates and security compliance) CIT Interval 3	SI Test	Fri 06/10/23	Fri 06/10/23				
Tier 3	T3-DB-0068	DCC Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 13/10/23	Fri 13/10/23				
Tier 3	T3-DB-0066	EES Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 13/10/23	Fri 13/10/23				
Tier 3	T3-DB-0070	CSS Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 13/10/23	Fri 13/10/23				
Tier 3	T3-DB-0015	PP PIT Completion Report (excl. Migration/Reverse Migration) submitted to Programme for assurance CIT Interval 2	PP	Fri 20/10/23	Fri 20/10/23				
Tier 3	T3-TE-0022	SIT Participants' SIT A environments ready to start connectivity proving (incl certificates and security compliance) CIT Interval 4	SI Test	Fri 20/10/23	Fri 20/10/23				
Tier 2	T2-TE-0250	SIT Component Integration Testing 1 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	SI Test	Mon 23/10/23	Mon 23/10/23				
Tier 3	T3-TE-0060	Component Integration Testing Interval 1 Start	SI Test	Mon 30/10/23	Mon 30/10/23				
Tier 3	T3-DB-0039	DIP Simulator uplifted to align with Interim Release 5	SI DevOps	Fri 15/12/23	Fri 03/11/23				
Tier 3	T3-DB-0017	PP PIT Completion Report (excl. Migration/Reverse Migration) submitted to Programme for assurance CIT Interval 3	PP	Fri 03/11/23	Fri 03/11/23				
Tier 2	T2-TE-0300	SIT Component Integration Testing 2 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	SI Test	Mon 06/11/23	Mon 06/11/23				

MHHS PROGRAMME
Industry-led, Elexon facilitated

Environments Approach and Plan

DECISION: Approve version 2.5 of the Environments Approach and Plan

Programme (Simon Berry)

10 mins

MHHS PROGRAMME

Industry led, Elexon facilitated
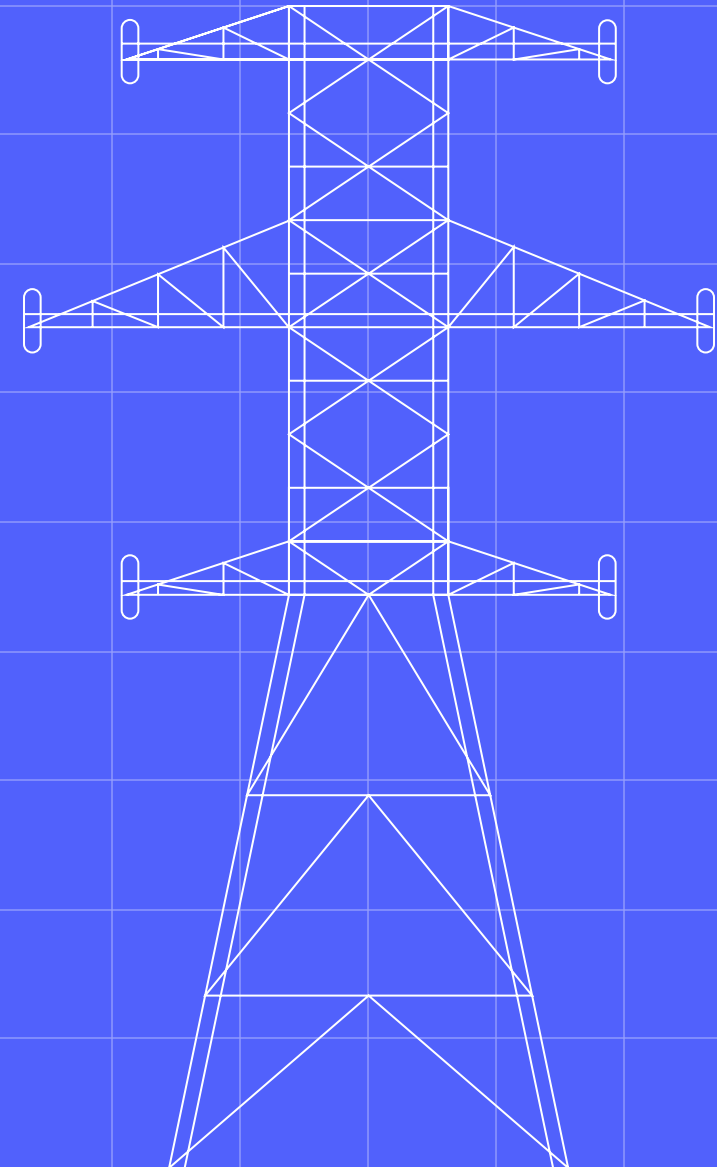
Environments Approach & Plan, v2.5

- Version 2.4 of the Environments Approach & Plan document was issued for review on 6th July, with the review period closing on 13th July.
- 118 comments were received. None of the comments were 'showstoppers'. All comments have been responded to and where required updates made to the Environments Approach & Plan, uplifted to v2.5.
- This document covers the test environment architecture for CIT.
- Further iterations of the document will be made in order to include;
  - SIT Functional Testing and non-SIT LDSO Qualification Testing
  - Non-Functional Testing (including; Migration, non-Functional and Operational testing)
  - Qualification and Sandbox

- One of the principles of the MHHS Programme is that we sign off documentation when we have the majority of content as 'known'. Further iterations of documents are permissible and will follow the MHHS Programme review process.

- The August EWG endorsed the recommendation to seek sign-off of the Environments Approach & Plan, v2.5.

- TMAG approval of the Environments Approach & Plan, v2.5 is requested.

MHHS PROGRAMME
Industry-led, Elexon facilitated

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

CIT
Approval - Aug '23

SIT Functional
Approval - Nov '23 (TBC)

SIT Non-Functional
Approval - Q1 2024 (TBC)

Qualification
Approval - Q1 2024 (TBC)
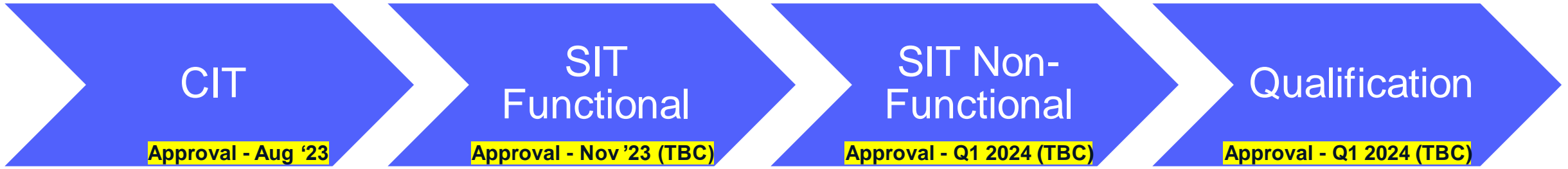
Dependency
- Central Parties Test Environment Architecture

Dependencies
- SIT Functional Test Cases
- Test Data Approach
- DCC Test Environment Architecture
- E2E connection methods for Market Role integration
- LDSO non-SIT Qualification Approach
- SIT Volunteers Pairings

Dependencies
- SIT Functional Test Environment Architecture
- Non-Functional Test Approach
- Migration Test Approach
- Test Data Approach

Dependencies
- SIT Functional Test Environment Architecture
- SIT Non-Functional Test Environment Architecture
- Qualification Approach
- Test Data Approach

DIP Onboarding / DCC PKI Certificates

INFORMATION: Update on the DIP Onboarding Plan and to inform PPs of the timeline of which they can request PKI certificates for MHHS

Programme (Simon Berry)

10 mins

MHHS PROGRAMME

Industry led, Elexon facilitated
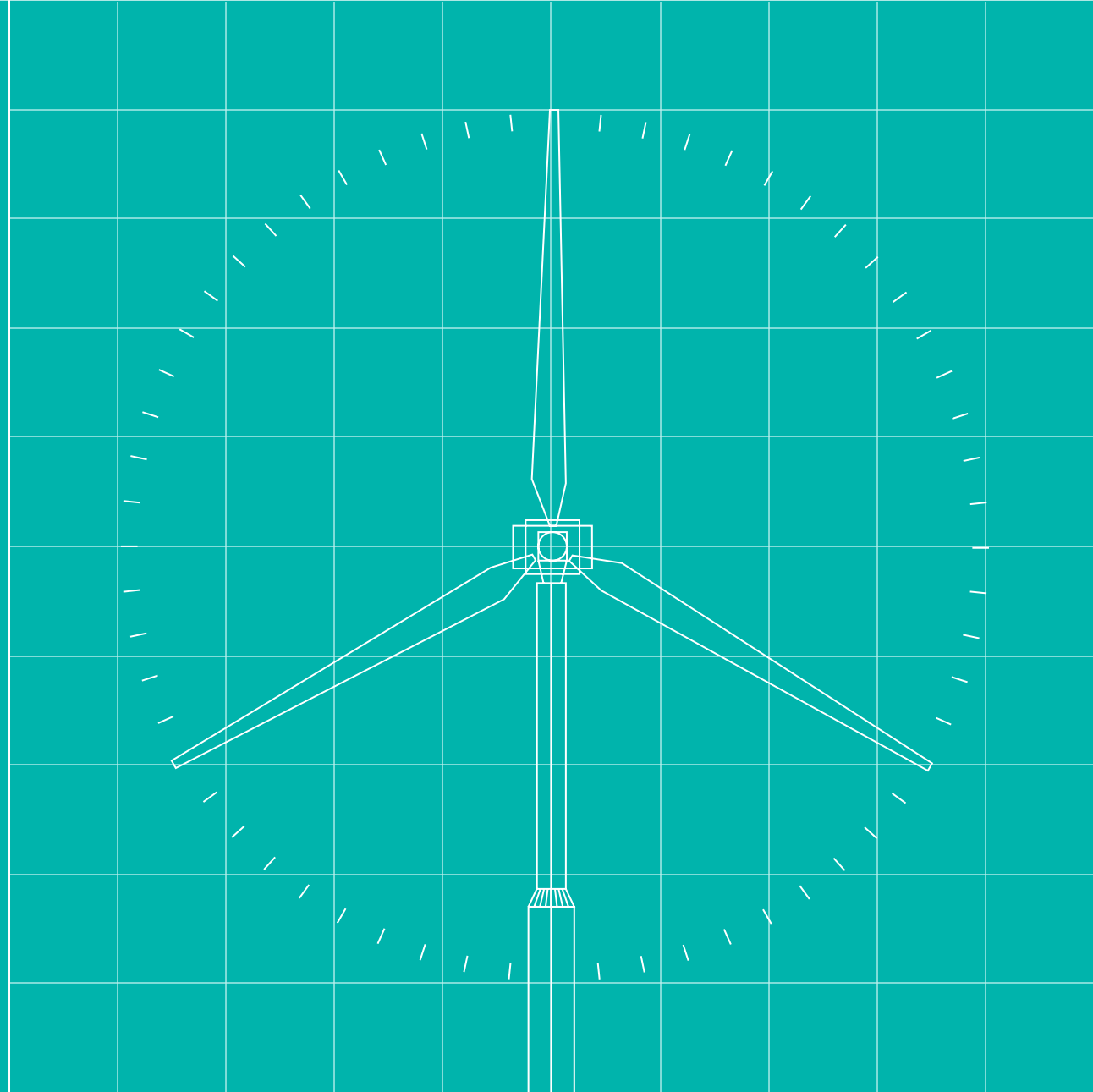
DIP Onboarding / DCC PKI Certificates

- DIP Onboarding, nominating PKI Officers and requesting / receiving PKI certificates are key pre-requisites for CIT.
- Avanade and the SI have developed an onboarding plan.
- Communications have been issued that state the onboarding roadmap, including the timeline, any artefacts that will be issued and the date of the onboarding webinar in September.
- The elapsed period for completing the GlobalSign process is ~5 days, this includes the registration of webhooks.
- The milestone dates need to be included in the Programme Plan, these dates are;

Activity	Start date	End date	Notes
CIT Interval #1	9th October '23	13th October '23	
CIT Interval #2	16th October '23	20th October '23	
CIT Interval #3	30th October '23	10th November '23	
CIT Interval #4	13th November '23	24th November '23	
CIT Interval #5	27th November '23	8th December '23	
CIT Interval #6	4th December '23	8th December '23	
Installation of DCC CSS PKI certificates	n/a	15th December '23	'No later than' date
Installation of DCC DSP PKI certificates		15th December '23	'No later than' date

DIP Onboarding – The Plan

Interval	Approx number of PPs entering each Interval for the first time	04-Sep-23	11-Sep-23	18-Sep-23	25-Sep-23	02-Oct-23	09-Oct-23	16-Oct-23	23-Oct-23	30-Oct-23	06-Nov-23	13-Nov-23	20-Nov-23	27-Nov-23	04-Dec-23	11-Dec-23	18-Dec-23	25-Dec-23	01-Jan-24	08-Jan-24	15-Jan-24	22-Jan-24	29-Jan-24
1	1	Interval 1 Connectivity Proving								I1 - CIT							Christmas holidays						
2	1				Interval 2 Connectivity Proving							I2 - CIT											
3	10						Interval 3 Connectivity Proving						I3 - CIT										
4	6							Interval 4 Connectivity Proving							I4 - CIT								
5	8										Interval 5 Connectivity Proving						Christmas holidays			I5 - CIT			
6	3													Interval 6 Connectivity Proving									I6 - CIT

Key

Interval x Connectivity Proving	This is the Connectivity Proving period that is in the baseline MHHS Programme Plan
Globalsign PKI	DIP Onboarding period for each CIT Interval
Contingency	Contingency period for DIP Onboarding
Interval x Connectivity Proving part a	Amended Connectivity Proving Approach reflecting changes to DIP onboarding assumptions. Part a - Connectivity Proving of the Test Participant Test environment.
Interval x Connectivity Proving part b	Amended Connectivity Proving Approach reflecting changes to DIP onboarding assumptions. Part b - Webhook Registration completed no later than.

MHHS PROGRAMME
Industry-led, Elexon facilitated

SIT Functional Test Approach and Plan Approval

DECISION: Approve version 0.4 of the SIT Functional Test Approach and Plan

Programme (Lee Cox)

5 mins

MHHS PROGRAMME

Industry led, Elexon facilitated
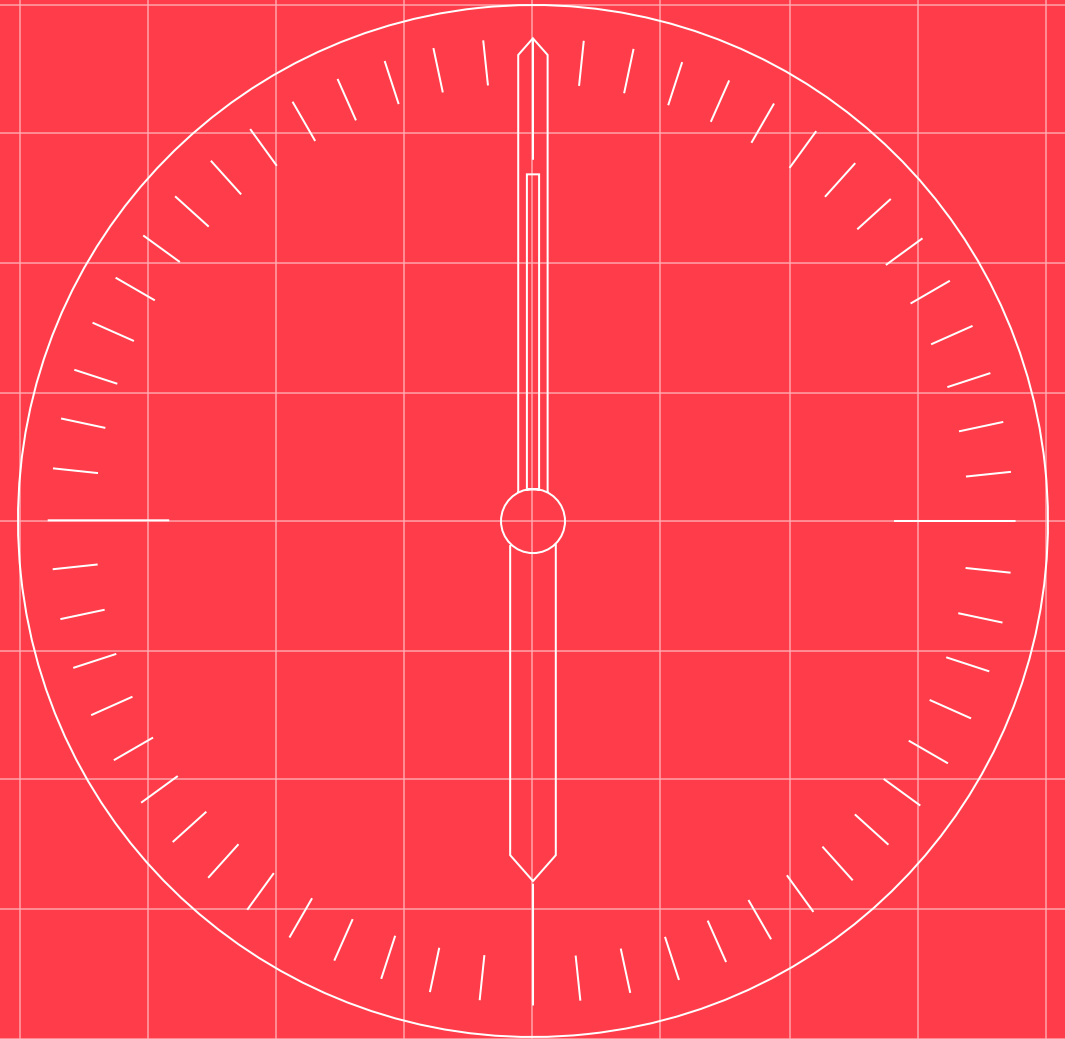
Principal updates

- SIT Test Approach and Plan consultation on v0.2 27th July - 88 comments received from 11 participants.

- Assurance review on v0.3 red-line changes ended on 4th Aug - 9 comments received from 3 participants.

- 2 minor changes have been made in v0.4 (published 9th Aug):
  - Change in Section 5.1 Scope - 'Registration Services (MPRS)' has been changed to 'Registration Services (REGS)'.
  - Change in Section 9.1 Test Meetings - addition of Code Body representation at weekly test meetings.

- All comment responses were published along with version 0.4 (clean and red-line versions) on the collaboration base.

- **Decision:** requesting TMAG Approval of the document

SIT Functional Test Data Approach and Plan

DECISION: Approve version 0.4 of the SIT Functional Test Data Approach and Plan

Programme (Cesar Lopes)

10 mins

MHHS PROGRAMME

Industry led, Elexon facilitated
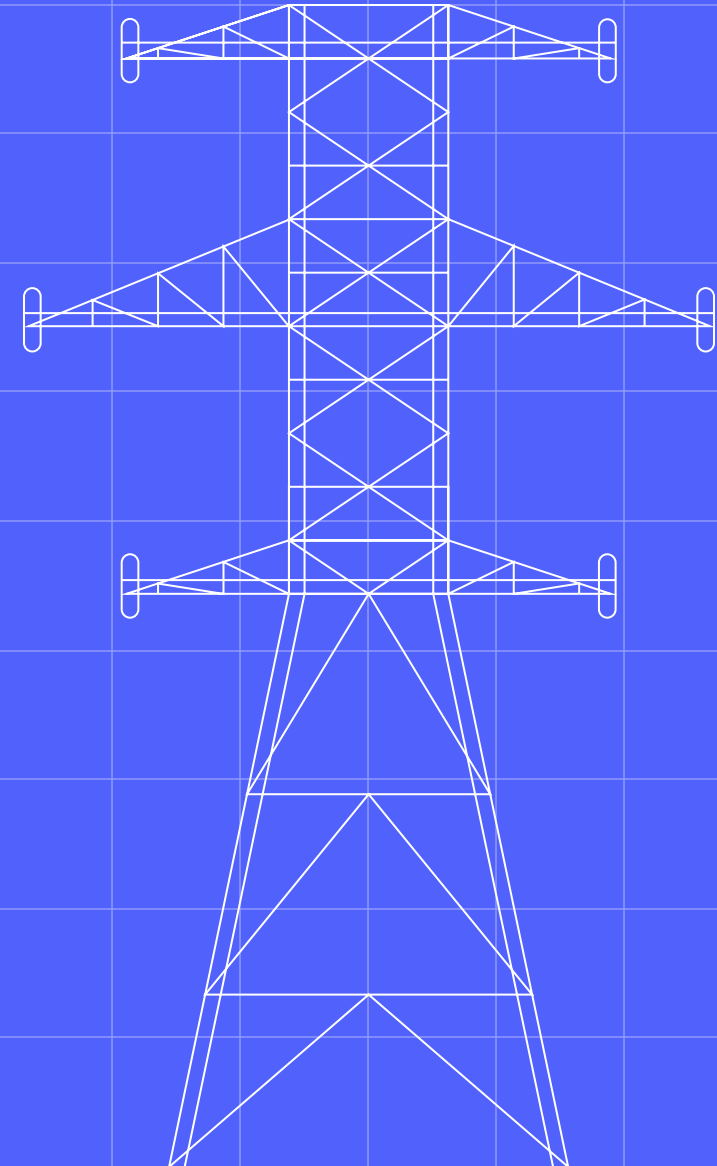
Principal updates

- SIT Functional Test Data Approach and Plan assurance review on v0.3 ended on 4th Aug.

- 7th Aug Extraordinary DWG recommended the document for August TMAG Approval.

- Comment responses were published on 9th Aug along with version 0.4 (clean and red-line versions) on the collaboration base.

Decision: requesting TMAG Approval of the document

CIT Test Scenarios Update

Information: Update on version 5.2.1 of the CIT Test Scenarios (verbal)

Programme (Kevin Davis)

10 mins

MHHS PROGRAMME

Industry led, Elexon facilitated
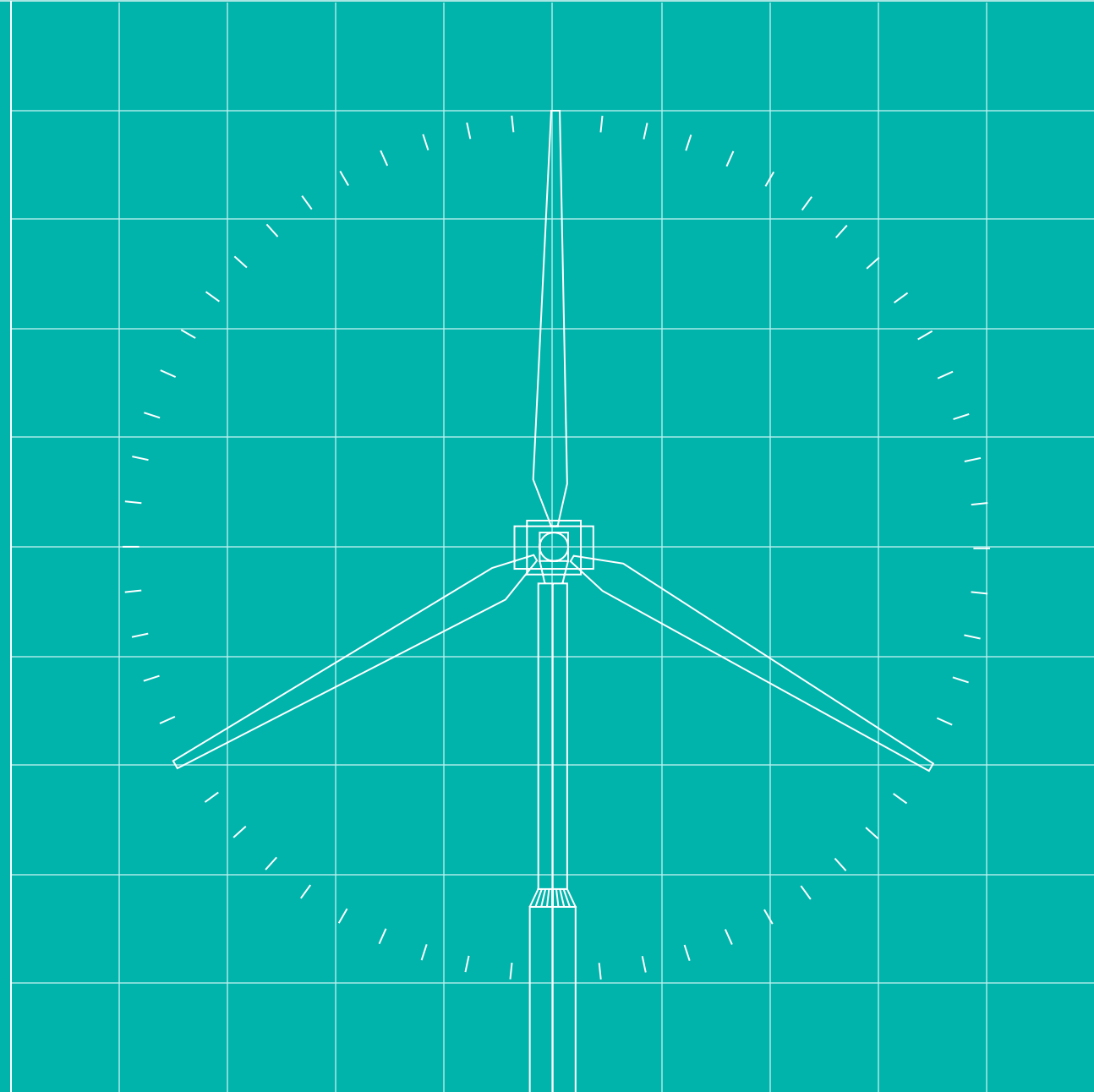
CIT Readiness Criteria

DECISION: Approve CIT Readiness Criteria and Tracking

Programme (Dominic Mooney)

10 mins

MHHS PROGRAMME

Industry led, Elexon facilitated
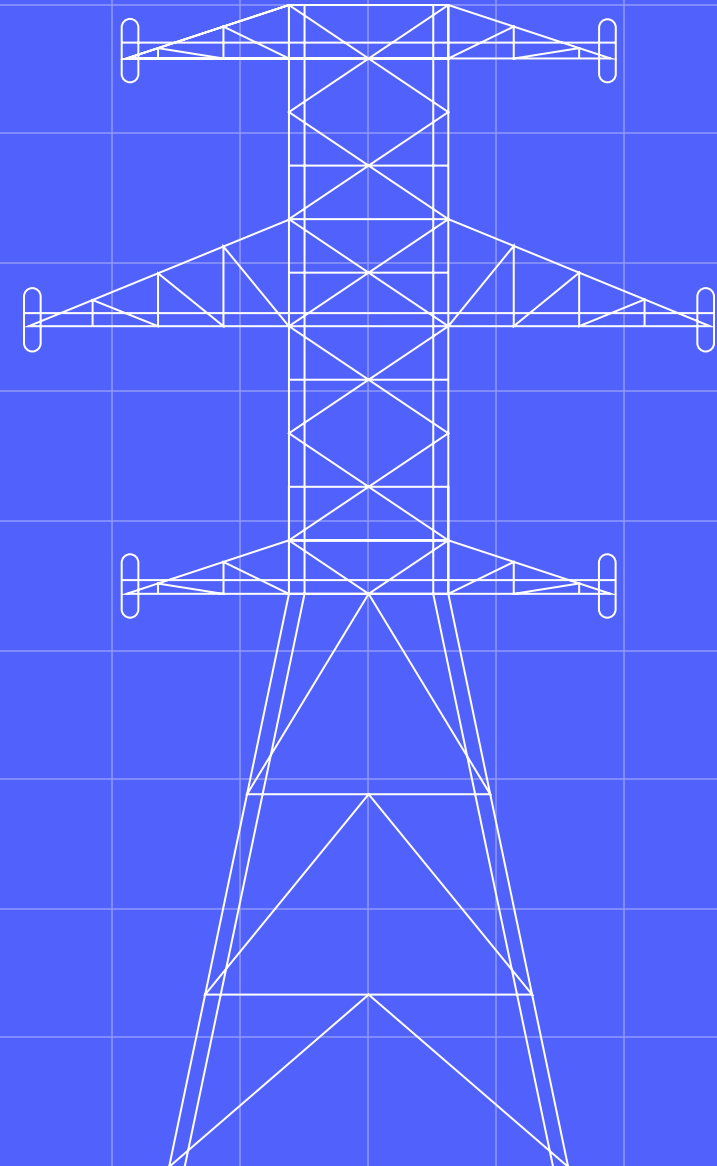
Overview of Decision Choreography and High-Level Criteria (August PSG Slide)

Tier 1 Milestones (PSG-governed)

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

— 30/10 —

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

— 21/8 —

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

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

— 23/10 —

Based on FTIG recommendation

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

— 11/8 — 16/8 — 01/9 —

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

T3-TE-0017
Production data cut GONG decision

Based on FTIG recommendation

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

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

Contingency for work-off items

— 30/10 —

SIT CIT Intervals 2 - 6 →

T3-TE-0060
Component Integration Testing Interval 1 Start

To approve T1-TE-1000

Control Point 2 approved
Readiness Assessment 3 acceptable
IPA report supportive
FTIG recommendation
TMAG T2-TE-0250 and T3-TE-0060 decisions reviewed

These are indicative criteria (details to be reviewed and agreed by PSG)

To approve T2-TE-0250

SI	PPs
Designs assured	Environments in place
Delivery plans assured	Test data in place
PPs' PIT assured (IR2)	PKI certificates in place
Test tools in place / primed	Defect management understood
FTIG recommendation	
Resources in place and trained on ways of working	
Readiness forecast for CIT Intervals 2 to 6 starts is satisfactory	
Readiness forecast for SIT Functional start is satisfactory	

Details being worked through per timetable on slide 10

To approve T3-TE-0060

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

Details being worked through per timetable on slide 10

MHHS PROGRAMME
Industry-led, Elexon facilitated

Route to SIT Readiness

Principles:
- Build on artefacts already agreed with PPs via governance
- Role of governance groups SITWG & TMAG strongly supported by FTIG
- Repeatable process for each CIT interval, with regular look-aheads on readiness statuses
- Look ahead also to future SIT Functional start

SIT Component Integration Test Approach & Plan extract

Implementation Approach extract (PIT)

Proposed SIT Readiness Tracker extract (also attached to TMAG pack)

Milestone Register extract

CIT Readiness Status Tracking:
- Overarching CIT tasks
- CIT Interval specific tasks (SI and each PP)
- Status derived from regular PP PIT reports and SI / PP engagement

SIT CIT Decision Criteria for T2-TE-0250 (SIT Component Integration Testing Interval 1 Preparation Complete)

- Complete — SIT CIT Test Approach and Plan approved by TMAG, contains high-level decision criteria
- 04-Aug-23 — FTIG discuss proposed detailed criteria
- 09-Aug-23 — SIT WG discuss proposed detailed criteria
- <mark>16-Aug-23 — **Decision:** does TMAG approve the detailed criteria for tracking?</mark>
- Aug-23 & Sep-23 — Reporting vs agreed criteria commences, leading up to M9 (report for all SIT CIT Intervals)
- Aug-23 & Sep-23 — FTIG frequency may increase; SIT CIT readiness reporting is reviewed at FTIG
- 23-Oct-23 — T2-TE-0250 approval includes readiness look-ahead for all CIT Intervals and SIT Functional start

SIT Functional Decision Criteria for T2-TE-0550 (SIT Functional Testing Preparation Complete)

- Final industry assurance — SIT Functional Test Approach and Plan contains high-level decision criteria
- 20-Sep-23 — TMAG approves SIT Functional Approach and Plan
- Sep-23 & Oct-23 — Proposed detailed and measurable criteria developed and agreed with FTIG, SIT WG and TMAG
- 23-Oct-23 — Detailed criteria used to support T2-TE-0250 approval (outlook for SIT Functional Readiness)

MHHS PROGRAMME
Industry-led, Elexon facilitated

Qualification Update

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

Elexon & REC Performance Assurance

5 mins

MHHS PROGRAMME

Industry led, Elexon facilitated

Responses received:

Response Rate

44 Received

74 Not received
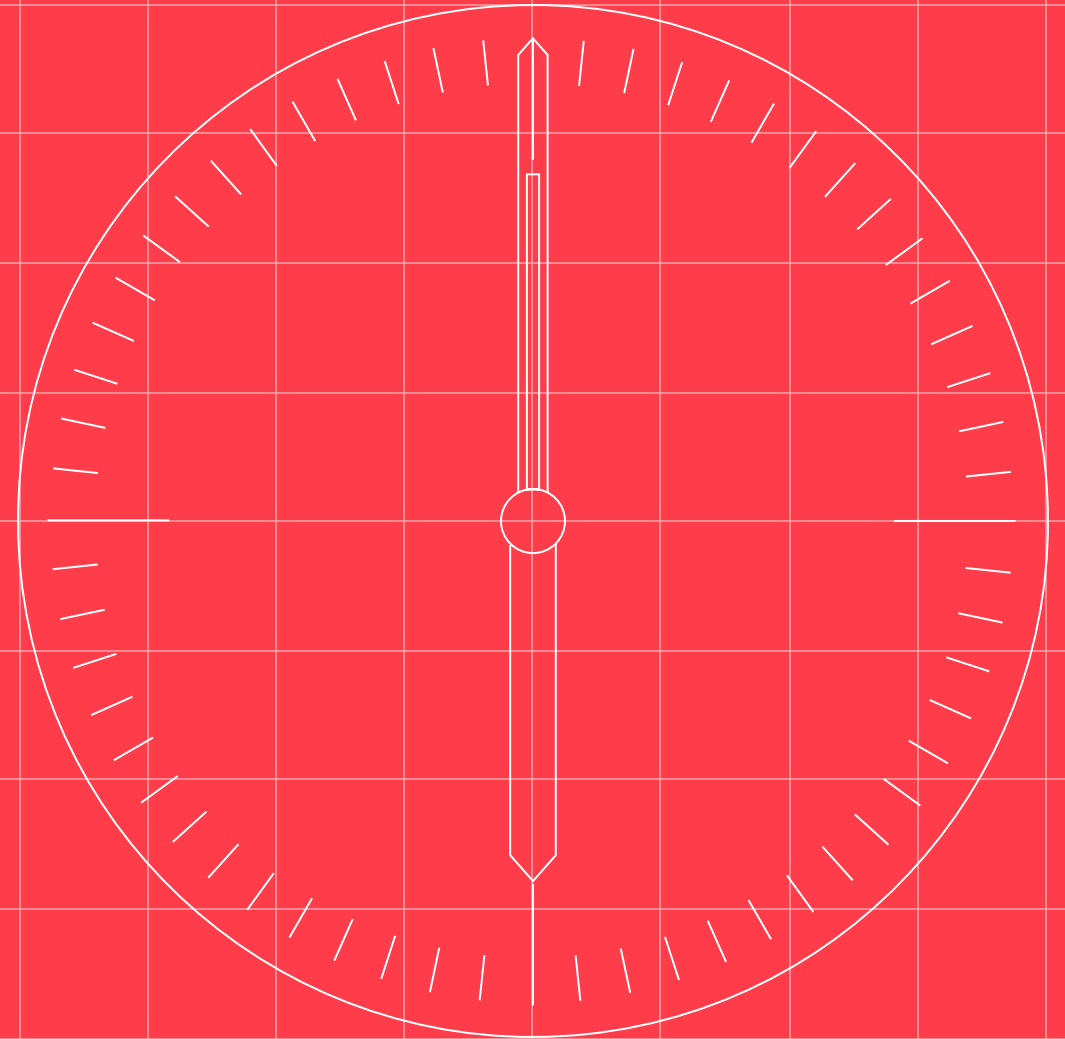
■ 44 Received ■ 74 Not received
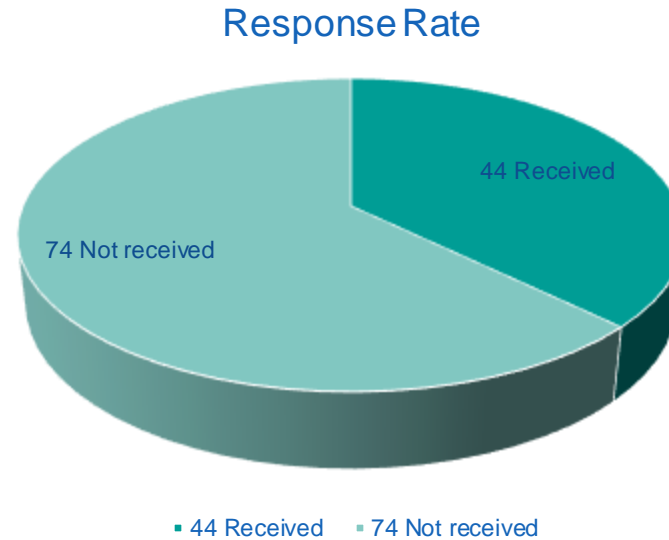
- Elexon did not request information from participants expecting to undertake the Metering Service role but received updates from some. Where these were received, they have been included in the information provided on expectations here

- Responses at organisational level - There could be more than one MPID for MHHS per response. Elexon were informed of 88 potential MHHS MPIDs from the 44 responses receieved

- Elexon is reviewing where responses were not received and will follow up via OSMs (majority small Suppliers)

The responses indicated the following percentage of MPID breakdown between the SIT and non-SIT routes:

SIT V Non-SIT

41%

59%

■ 36 SIT   ■ 52 Non SIT
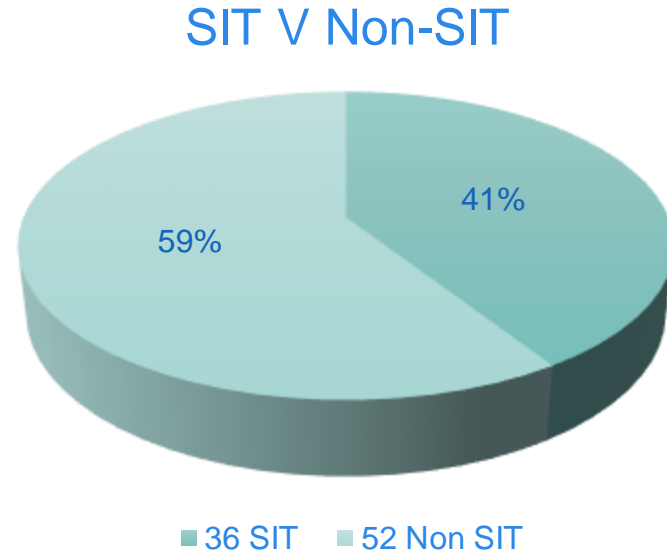
- 10 of the 36 MPIDs expected to use the Placing Reliance Policy for SIT
- 13 of the 52 Non-SIT participants did not expect to use the Placing Reliance Policy
- 2 of the 52 Non-SIT participants expected to place full reliance
- 31 of the 52 Non SIT participants expected to place at least some reliance
- The remaining 6 of the Non-SIT participants did not specify whether they expected to use the Placing Reliance Policy

The 52 Non-SIT MPIDs provided the following view of expected Tranche requests:

Tranche 1	Tranche 2	Tranche 3	Tranche 4	Tranche 5	Tranche 6	Tranche 7	Non-SIT LDSO	Not provided
10	0	2	7	2	1	2	14	14

- Code Bodies are currently in the process of understanding with the MHHSP environment and test capacity for the Qualification tranches

The QWG discussed the following areas this month:

- The purpose of Qualification Testing
- The Minimum Level of Testing for QT
- Environment Requirements for QT
- Participant preparation for QT
- QT Entry Criteria and Timescales
- Role Based Qualification
- General updates on changing tranches, the MHHS reporting and escalation process, Qualification artefact delivery and the impact of market movement on Qualification

IPA Test Assurance

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

IPA

10 mins

Test Assurance Period 2: Approach and next steps
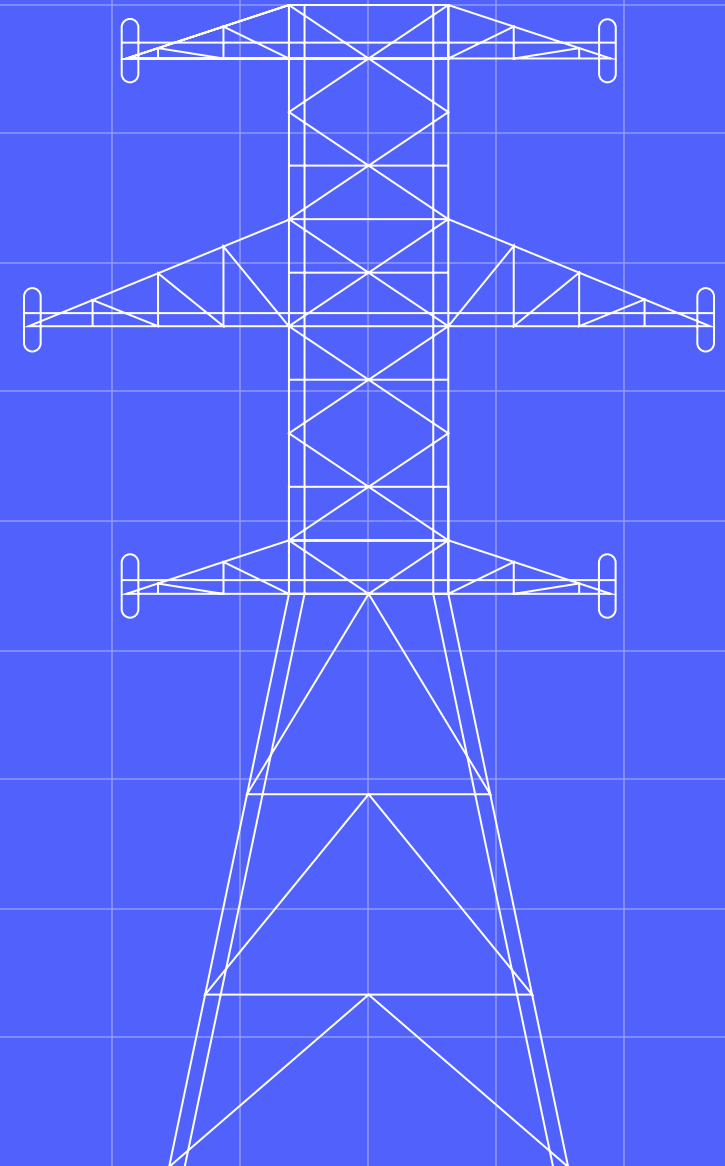
The second IPA testing assurance periodic review, P2, will will be performed during August to October 2023 and will form a key input to the PSG SIT entry decision on 30 October 2023. The scope will therefore focus on **readiness ahead of the start of SIT-CIT and how non-SIT participants are progressing**. We have identified a sample of 16 Participants across two cohorts to enable us to assess both SIT Participants and those following the Qualification route. Below are the key exam questions for these cohorts, along with a high level timetable. Participants selected as part of the sample have been contacted and we continue to work closely with the Programme to align on assurance activities to minimise any duplication and disruption for participants.

SIT participant cohort

Drawn from:

SIT Participants and LDP

Overall Exam Questions

A. Is the programme/participant on track to complete PIT Functional?

B. Is the programme/participant on track to start SIT-CIT?

C. Are there any issues not covered above?

Qualification participant cohort

Drawn from:

Non-SIT Participants and Code Bodies

Overall Exam Questions

D. Are you clear on the steps you need to follow for qualification testing and are you on track?

E. Are there any issues not covered above?

High Level Timetable

Mobilisation - In progress

- IPA have contacted selected participants
- IPA will hold bilateral briefing sessions with participants to explain process

Fieldwork - Mid August to Mid September

- Bilateral conversations with participants (in person or virtual - approx. 1.5 hours)
- Review of supporting evidence
- Follow up and validation

Reporting - 30 October 2023

- Presented to SRO ahead of decision to enter CIT
- Executive summary shared with PSG in advance of 1st November

Top Programme Risks related to TMAG

INFORMATION: Update on the top Programme risks related to TMAG

Programme (Workstream Leads)

10 mins

MHHS PROGRAMME

Industry led, Elexon facilitated

Top Programme Risks Related to TMAG

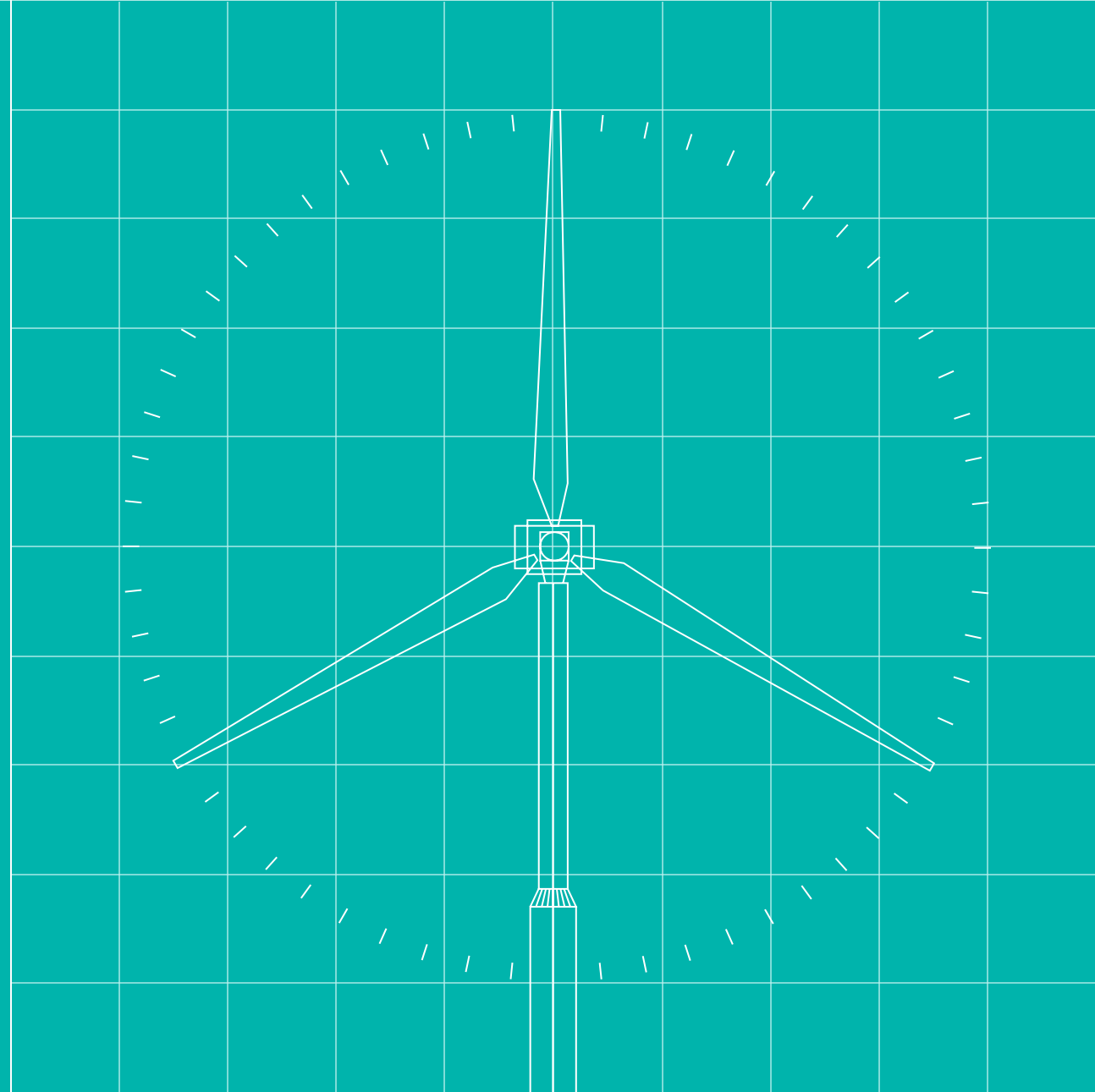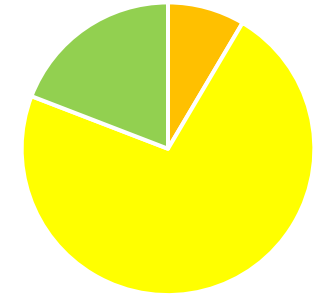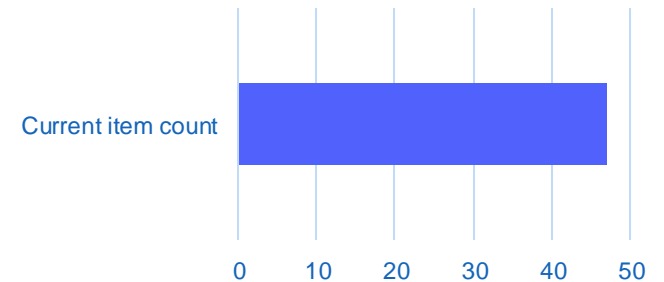| Risk/Issue ID	Risk description	Risk impact	RAG	Mitigation
R127	There is a risk that the programme doesn't have a legal basis to receive and share Personal Identifiable Information (PII) from MPANs, impacting CIT start	This may lead to delays to the start of CIT	(High)	1. DPIA has been completed by Elexon and shared with PPs 2. Individual Data Sharing Agreements between Elexon and SIT participation are needed. Drafts have been shared with PPs for review and signature - deadline 28/08/2023. Update (01/08) PPC reaching out to PPs who have not responded to quesionnaires. Working through any feedback with Elexon Legal 3. PPs may have to complete their own DPIAs
R501	There is a risk of participants not providing data for SIT	This will mean that M09 can't start and an unmanageable effort will be needed to manufacture all data involved	(High)	1. Data cut reduced to SIT volunteers and only consisting of the c.4 million MPANs of the two DNOs who have volunteered – so a smaller data cut for PPs to provide 2. First data cut deadline 19/08/2023 from PPs. MHHS to send first block of data back to PPs by 15/09/2023. MHHS Issued data cut guidelines to PPs 20/07.2023. Confirmation of GNG on data cut decision 16/08/2023 3. RECCo and Elexon-Helix agreed to share EES data and MDD/ISD to be used
R272	There is a risk that Core Capability Providers may be late arriving into their CIT Interval	This would result in a delay to CIT activities and may impact subsequent SIT timelines	(High)	1. Design, Delivery, Test assurance 2. FTIG (and PSG) monitoring of participants' delivery progress and managing of obstacles to readiness 3. Staggered PIT approach 4. Account Management meetings
R525	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	Suppliers with large portfolios may not have time to complete their migration in time for M15	(High)	1. Notification of tranches is managed by the Code Bodies and is currently under discussion at the Qualification Working Group. We expect that the Code Bodies will set out the timing for tranche notification in QWG and that Suppliers will comply with requests 2. This is not in the control of the Programme – any enforcement of incomplete migration for Suppliers is a matter for Ofgem. Suggest that the Impact is reduced from 5 to 4 as this doesn't prevent the majority of the market from migrating MPANs, the impact is restricted to a small number of Large Suppliers who are not participating in SIT 3. Legal advice from Elexon has been clear that the allocation of Programme Participants to tranches cannot be influenced by portfolio size 4. For any Supplier that is in Tranche 7 of Qualification, there is still planned to be over 6 months to migrate MPANs. 5. The capacity within the plan will be set at a level to enable suppliers in Tranche 7 to migrate within the >6 month period. (e.g. 35k av MPANs migrated by them each day, which will be a low percentage of the overall capacity).
R119	There is a risk that there may be a drive by participants to constrain testing by providing too few environments	This may result in poor test coverage and defects discovered in live operation	(Medium)	1. Environment approach and plan published specified instructions for PPs - approved in February TMAG version 2.2 - this specifies environment approach parties to take and number of environments. Seeking uplift to v2.5 at the August TMAG. 2. Monitoring via Monthly Environments Working Group (EWG) and bilaterals. 3. Monitoring each test phase during SIT stages - decreasing risk month by month. EOY checkpoint to see where we're at with SIT Non-functional approaches and plans.

TMAG related-risks RAG

■ High risks ■ Medium risks ■ Low risks

TMAG risk count

Current item count

0   10   20   30   40   50

RAG key

🟥	Critical
🟧	High
🟨	Medium
🟩	Low

MHHS PROGRAMME
Industry-led, Elexon facilitated

Summary and Next Steps

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

Chair and Secretariat

5 mins

MHHS PROGRAMME

Industry led, Elexon facilitated

Summary and next steps

Next steps:

1. Confirm actions and decisions from meeting
2. Date of next TMAG: 20 September 2023

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

Meeting dates	20-Sep	18-Oct	15-Nov
Relevant milestones or activities	• SIT Functional Test Scenarios • Migration Thresholds and Migration Profile	• End-to-end Testing Integration Strategy	• Environments Approach and Plan (SIT Functional and Non-SIT LDSO)
Agenda items	• SIT Functional Test Scenarios • Migration Thresholds and Migration Profile	• End-to-end Testing Integration Strategy	• Environments Approach and Plan (SIT Functional and Non-SIT LDSO)
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	

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

MHHS PROGRAMME
Industry-led, Elexon facilitated

Appendices

- Attachment 1– MHHS-DEL1507 SIT Readiness Tracker

- Appendix 1 – Environments Approach and Plan version 2.5
- Appendix 2 - SIT Functional Test Approach and Plan version 0.4
- Appendix 3 - SIT Functional Test Data Approach and Plan version 0.4
- Appendix 4 - CIT Test Scenarios version 5.2.1
- Appendix 5 - Migration Activities 2023 – 2026
- Appendix 6 - ESME ID, Meter Location, Number of Displayed Register Digits and D0312 Maintenance Timelines
- Appendix 7 - Connection Type
- Appendix 8 - Import / Export MPANs Linking

MHHS PROGRAMME

Industry led, Elexon facilitated
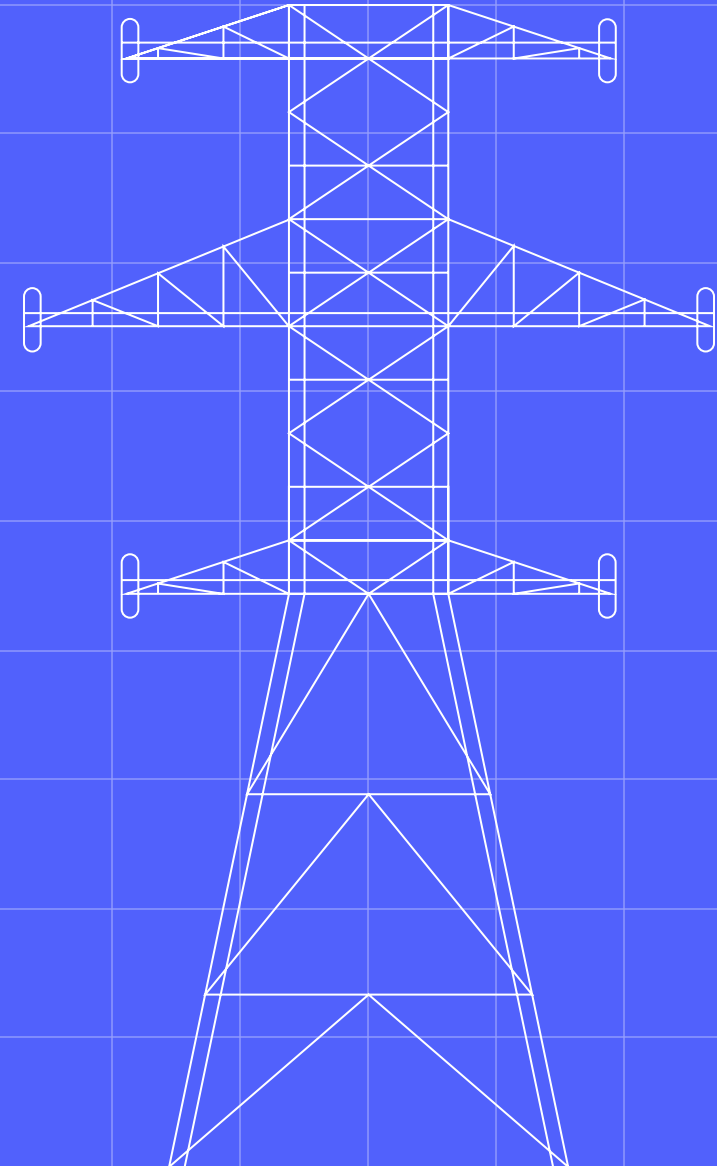
To Be Progressed through New Data Cleanse Working Group

To be progressed through MWG

Activities	2023 Jul	Aug	Sep	Oct	Nov	Dec	2024 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2025 Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2026 Jan	Feb	Mar
Data Cleanse Plan																																	
MTDs																																	
ESME ID	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
Meter Location & Number of Displayed Register Digits	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
D0312 Maintenance	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
Registration Data																																	
Connection Type	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X															
Domestic Premises Indicator																					X												
Linking Export / Import MPANs	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X																	
Migration Delivery, Governance and Assurance																																	
Threshold Volumes Reviewed		X																															
TMAG Approval of Threshold Volumes			X																														
Design Processes, Procedures etc. for MPMT and MCC							X	X	X	X	X	X																					
TMAG Approval													X																				
Build and Test MPMT													X	X	X	X	X	X															
Deployment of MPMT and MCC																			X														
Migration Preparation																																	
Agree migration plans with each Supplier within the MVC and SIT																X	X																
Finalise Initial Live Plan																					X												
Agree Migration Plans with each Supplier on a Rolling Basis																			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Migration Completion																																	
Define the Acceptance Criteria for M15 achievement			X																														
Identify reporting requirements				X																													
Approve acceptance criteria and reporting requirements					X																												
Cutover to New MHHS Arrangements																																	
Develop a Plan for MWG review							X	X	X																								
Approve Cutover Plan											X																						
Change of Settlement Calendar																																	
Programme undertakes assessment of required criteria				X	X																												
MWG review of proposed plan and criteria							X																										
Refinement and further review								X	X																								
Criteria and plan approved									X																								

Appendix 6 - ESME ID, Meter Location, Number of Displayed Register Digits and D0312 Maintenance Timelines

KEY: Data Cleanse Activity

	Jun-23 – Jul 24	Aug-24	SEP-24	Oct-24 / Nov-24	Dec-24	Jan-25
ESME ID	For all smart meters installed from June 2023 onwards the MEM must send a valid D0312 to the Registration Service, containing the ESME ID.	**16 August:** The DCC will extract ESME ID from the smart metering system and via a secure means provide a file to each LDSO **24 August** Each LDSO will load the file	**29 September:** Each LDSO will undertake a 'full refresh' between their Registration Service and the EES MHHS Programme verifies data completeness. Each LDSO notifies the Registered Supplier of any exceptions which have occurred because of the data load.		**20 December:** Each Supplier completes investigation of exceptions and resolution of exceptions	
Meter Location & Number of Displayed Register Digits	For all smart meters installed from June 2023 onwards the MEM must send a valid D0312 to the Registration Service, containing the Meter Location and Number of Displayed Register Digits.	**16 August:** The MEM will extract the data from their systems and via a secure means provide a file to the SI who will verify and send to each LDSO **24 August:** Each LDSO will load the file	**29 September:** Each LDSO will undertake a 'full refresh' between their Registration Service and the EES MHHS Programme verifies data completeness. Each LDSO notifies the Registered Supplier of any exceptions which have occurred because of the data load.		**20 December:** Each Supplier completes investigation of exceptions and resolution of exceptions	
D0312 Maintenance	MEMs should start this activity from June 2023 onwards and D0312s that are currently missing from the registration Service should have been populated prior to the DCC and MEM producing extracts (by 16 August 2024). .					

Appendix 7 - Connection Type

KEY: Data Cleanse Activity

	Jun-23 - Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	SEP-24	Oct-24 - Jan-25

Connection Type

For all MPANs created after June 2023 a Connection Type should be populated by the LDSO.

13 September 2024:
Automated Population of Connection Type for Measurement Classes 'B', 'D', 'F' & 'G'

BAU Population of Connection Type for Site Specific LLFCs within Measurement Classes 'C' & 'E'

Automated Population of Connection Type for Smart Meters within Measurement Class 'A'

Population of Connection Type for Traditional and Advanced Meters within Measurement Class 'A'

Suppliers to investigate and resolve exceptions

Automated Population of Null Connection Type

Appendix 8 - Import / Export MPANs Linking

KEY: Data Cleanse Activity

	Jun-23 - Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24 - Jan-25

Import / Export MPANs Linking

LDSO Import / Export Linking

Each LDSO utilises BAU processing (DB05s) to populate each import/export linkage

Suppliers to investigate and report to LDSOs

19 April 2024: Each LDSO notifies the Registered Supplier of any exceptions which have occurred because of the data load.

23 August 2024: Each Supplier completes investigation of exceptions and resolution of exceptions

18 October 2024: Each LDSO has investigated the Supplier response and updated records.