



**MHHS  
PROGRAMME**

Industry-led, Exelon facilitated

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# Qualification Advisory Group (QAG) #03

## 18 April 2024

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Version 1.1

MHHS-DEL2457

Document Classification: Public

## Agenda (1/2)

#	Item	Objective	Type	Lead	Time	Page
1	Welcome and Introduction			Chair	10:00-10:05 5 mins	1
2	Headline Report and Actions	Approval of Headline Report of previous meeting and review of outstanding actions	Decision	Chair & Secretariat	10:05-10:15 10 mins	4
3	Programme Updates	Receive overview of MHHS governance groups and relevant Programme updates	Information	Secretariat	10:15-10:15 0 mins	6
4	Functional Non-SIT LDSO Test Scenarios and Test Cases	Request for QAG to approve functional non-SIT LDSO Test Scenarios and Test Cases.	Decision	Programme (Nicola Farley)	10:15-10:25 10 mins	10
5	Focused Working Groups for QT	Approval to reorganise to separate QT only by LDSO and S&A - introduce concept and timelines	Decision	Code Bodies (Laura Kennedy) Programme (Nicola Farley)	10:25-10:35 10 mins	12
6	Environments Approach and Plan	Update on approval of the Environments Approach & Plan v2.13 from SITAG, incorporating the non-SIT LDSO Qualification test environment architecture	Information	Programme (Simon Berry)	10:35-10:40 5 mins	15
7	Updates from QWG	Latest summary of updates from QWG, Code Bodies to provide update on: <ul style="list-style-type: none"> <li>Qualification Approach for New Entrants</li> <li>QAD consultation</li> </ul>	Information	Code Bodies (Matt Cogram)	10:40-10:45 5 mins	18
8	Update on Proposed Changes to Qualification Milestones	Verbal update on changes to qualification milestones within the Programme plan	Information	Code Bodies (Laura Kennedy) Programme (Nicola Farley)	10:45-10:50 5 mins	24
9	Programme Milestones related to QAG	Overview of upcoming Programme Milestones related to QAG and any milestone changes for approval: <ul style="list-style-type: none"> <li>Approval of Milestones T3-QU-0063, T3-QU-0064 and T3-QU-0066.</li> </ul>	Information / Decision	Programme (Nicola Farley) Code Bodies (Laura Kennedy)	10:50-10:55 5 mins	25
10	Top Programme Risks Related to QAG	QAG awareness of the key RAID items impacting the QAG	Information	Chair	10:55-10:55 0 mins	31

# Agenda (2/2)

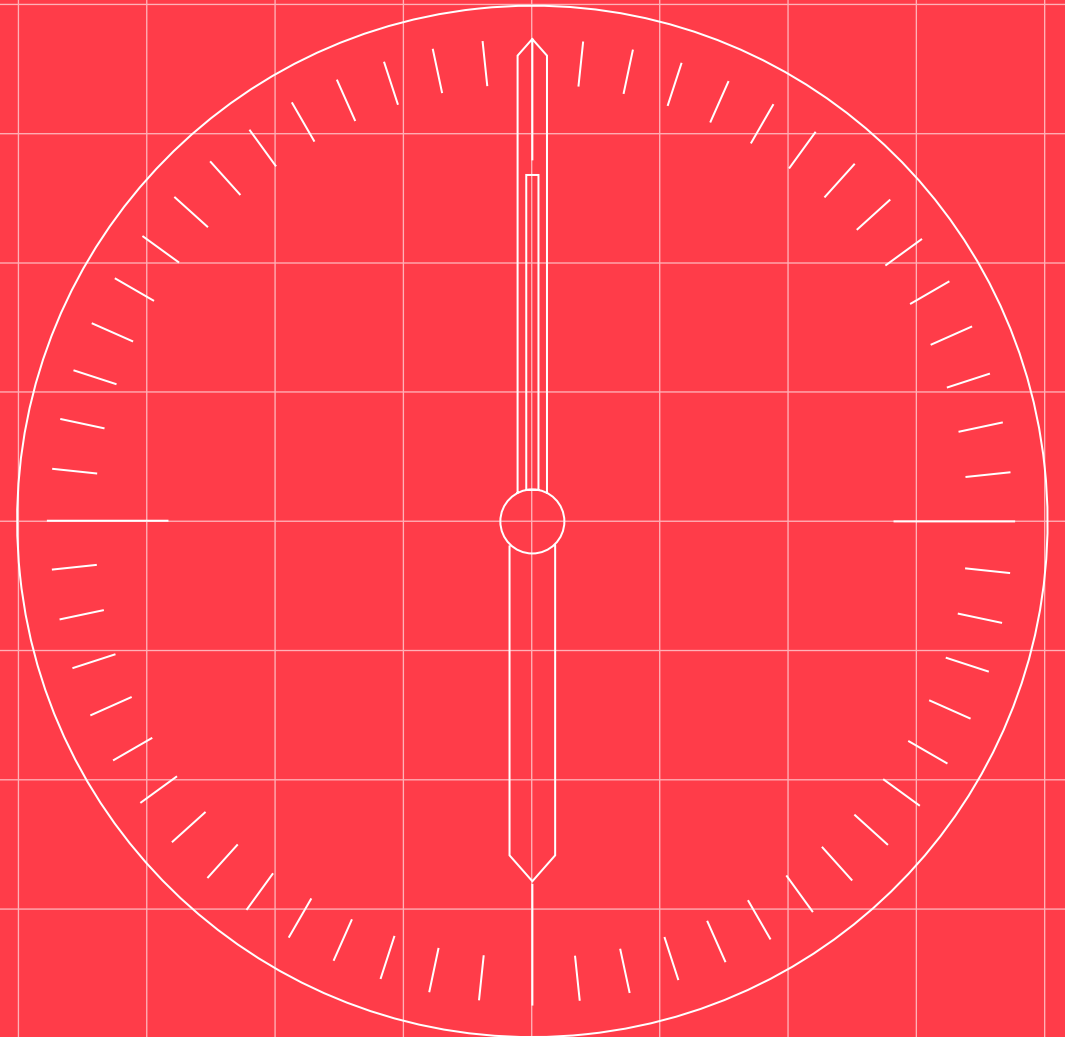
#	Item	Objective	Type	Lead	Time	Page
11	AOB	Participants to raise any queries on Qualification	Discussion	Chair	10:55-11:00 5 mins	33
12	Summary and Next Steps	Summarise actions and agree any agenda items for next meeting	Information	Secretariat	11:00-11:05 5 mins	34

# Headline Report and Actions

**DECISION:** Approve headline report of previous meeting and review outstanding actions

Chair and Secretariat

*10 mins*



## Headline Report and Actions Review

1. Approval of Headline Reports from QAG held [21 March 2024](#).
2. **Review outstanding actions** (actions will be discussed by exception. Please review the action updates ahead of the meeting)

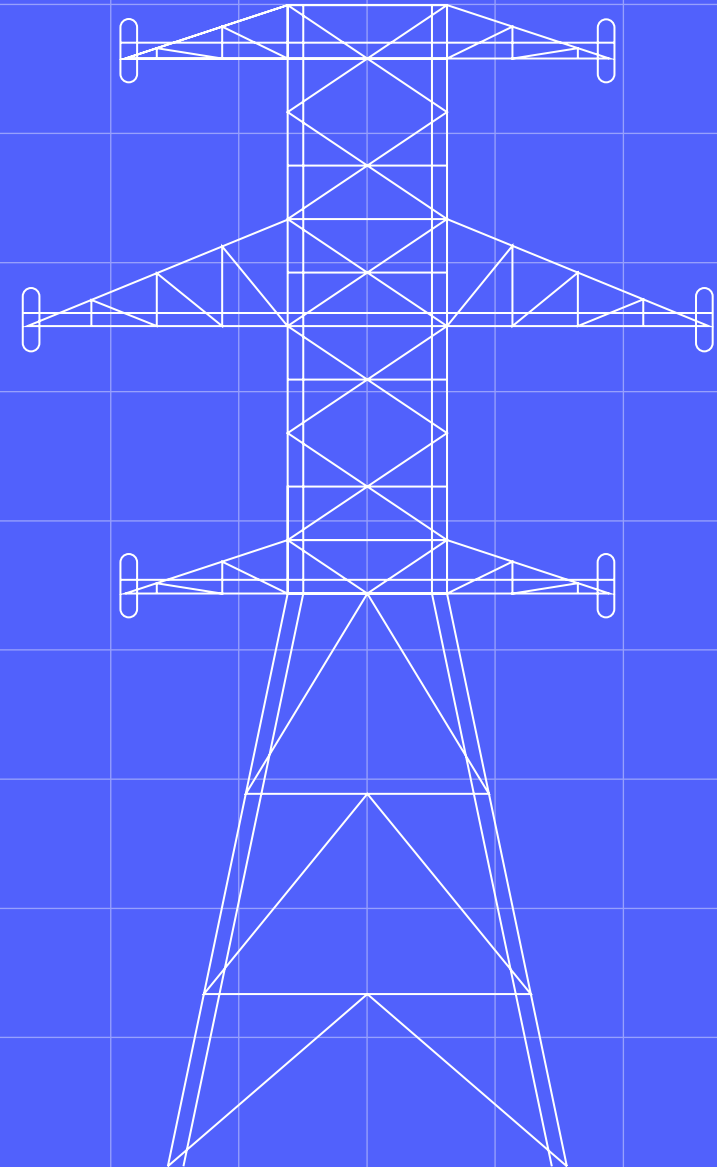
Ref	Action	Owner	Due	Latest Update
QAG02-01	QAG reps to provide feedback to PMO with any questions on how to map traceability of test cases to requirements in ADO for Programme consideration	QAG reps	18/04/24	RECOMMEND CLOSED: Programme is in the process of enhancing the current ADO facilities to build a more automated engine to support traceability to improve currently manually intensive traceability processes. The Programme then plans to run a one-off process to generate and publish a Traceability and Coverage Report.
QAG02-02	Programme to look into more explanation and behind any changes to the scores in risks.	Programme	21/03/24	RECOMMEND CLOSED: Information provided in 'Mitigation' column of risk dashboard (see agenda item 10), and where possible key reason for reduction in current risk score highlighted.

# Programme updates

**INFORMATION:** Receive overview of MHHS governance groups and relevant programme updates

*Secretariat*

*0 mins – to be taken as read and discussed by exception*



## Governance group updates

### Programme Steering Group (PSG)

#### PSG 03 April 2024

**Qualification Testing (QT) Updates:** PSG received updates on the status of existing QT deliverables and new proposed QT milestones contained within Programme Change Requests (CR) 047 and 048.

**Migration Updates:** PSG received updates on the development of the Migration Control Centre framework and associated consultations.

**Testing Updates:** PSG received updates on the progress of System Integration Testing (SIT) Functional testing, and the status of future SIT stages including SIT Migration and SIT Operational.

**Decision Appeal Lessons Learned:** The IPA provided an overview of reflections on the appeals process following the CR036 appeal. The appeals process will be updated accordingly.

PSG papers available [here](#).

### System Integration Testing Advisory Group (SITAG)\*

#### SITAG 20 March 2024

**SIT Migration Test Scenarios (TS) & Test Cases (TC):** SRO approved the Theme 1 (Forward Migration) TSs & TCs.

**SIT Functional Preparation Work-Off Updates:** Programme provided updates on SIT F Prep work-off, per the meeting slides.

**IPA Updates:** IPA provided overview of volume of assurance recommendations made since April 2023, noting the majority have been implemented.

**Milestones:** SRO approved change of delivery date for Programme milestone T3-TE-0092 (Environment Approach and Plan - SIT Non-Functional).

SITAG papers available [here](#).

### Design Advisory Group (DAG)

#### DAG 10 April 2024

**CR044 Decision:** DAG recommended design changes should be made, however owing to potential challenges with implementation pre-M10 (Systems ready for migrating MPANs) **determined the decision should be escalated to the Programme Steering Group (PSG)**. SRO approved CR044 ([Implementation of 'Data Refresh' Message IF-051](#)) for IA.

**CR045 IA:** SRO approved CR045 ([Supply Start Date \(SSD\) Correction Tool](#)) for IA, subject to a strawman solution being issued alongside the CR for IA.

**CR045 IA:** SRO approved CR046 ([Enabling Metering Point Energy Flow to be changed more than once](#)) for IA, with views to be solicited on implementation date.

DAG papers available [here](#).

### Qualification Advisory Group (QAG)\*

#### QAG 21 March 2024

**QA&P:** Updates on comments raised in Annex 1 and Annex 4 were provided. QAG approved the QA&P, Annex 1, and Annex 4.

**QAD Consultation:** QAD to go to REC PAB 26/03 and BSC PAB 28/03.

**Qualification Milestones:** High level changes were proposed to QAG. The two change requests have been raised to manage the changes, CR047 & CR048. QAG confirmed milestone T3-QU-0011.

QAG papers available [here](#).

### Cross Code Advisory Group (CCAG)

#### CCAG 27 March 2024

**Horizon Scanning Log:** DCUSA provided updates on DCP411, DCP414, DCP433. REC provided updates on R0037, R0062, R0075, R0098, R0108, R0109, R0121, R0133 & R0156. No new updates from BSC.

**M7 Delivery Planning:** Ofgem are the Authority (Regulator) who will use their Significant Code Review (SCR) Powers to direct Code Artefacts from the MHHS Governance and 'legalise' them into the individual Code Body multi-party agreement governance.

**Mop-up 2 Consultation:** Triaged consolidated comments log will be released w/c 01/04.

**Code Drafting Working Group (CDWG):** April CDWG1 to be cancelled, April CDWG2 to go ahead.

CCAG papers available [here](#).

### Migration & Cutover Advisory Group (MCAG)\*

#### MCAG 26 March 2024

**Migration Control Centre Framework:** Provided an update on the Migration Control Centre Framework.

**Programme Milestones:** No changes to milestones.

MCAG papers available [here](#).

## Wider Programme Updates

### Participant Checklist:

1. REMINDER: Non-Systems Integration Testing (SIT) Licensed Distribution System Operator (LDSO) Test Scenarios & Test Cases Batch 3 Review – the deadline is **Friday 12 April 2024**
  2. REMINDER: Non-SIT LDSO Test Data Approach & Plan Consultation – the deadline is **Monday 15 April 2024**
  3. Non-SIT Supplier & Agent Qualification Testing Test Scenarios Batch 2 Consultation – the deadline is **Friday 19 April 2024**
  4. Code Mop Up 2 Assurance Review – the deadline is **Monday 22 April 2024**
  5. REMINDER: Pre-Qualification Submission – the deadline is **Friday 26 April 2024**
  6. Population of Connection Type for Traditional and Advanced Meters within Measurement Class 'A' Self-Declaration – the deadline is **Monday 29 April 2024**
  7. Design Interim Releases are live
  8. SIT Test Scenarios & Test Cases: Themes 1-9 uplifted
  9. Functional, Non-Functional and Operational Qualification Assessment Criteria following Performance Assurance Board (PAB) approvals
  10. REMINDER: Secure File Transfer Protocol (SFTP)
- You can view the **Participant Checklist** on the respective **Planning pages** of the [Collaboration Base](#) and the [MHHS website](#).

### Upcoming Governance Meetings:

- **Thursday 11 April 2024:** Migration Working Group (MWG)
- **Tuesday 16 April 2024:** Code Drafting Working Group (CDWG)
- **Tuesday 16 April 2024:** Non-Functional Testing Working Group (NFTWG)
- **Wednesday 17 April 2024:** [Systems Integration Testing Advisory Group \(SITAG\)](#)
- **Wednesday 17 April 2024:** Transition and Operational Readiness Working Group (TORWG)
- **Thursday 18 April 2024:** [Qualification Advisory Group \(QAG\)](#)

### Upcoming Events:

- Pre-Integration Testing (PIT) Guidance Walkthrough Session: **Thursday 04 April 2024**
- Pre-Qualification Submission drop-in sessions: **Wednesday 17 April 2024 at 14:00 – 15:00**
- MHHS Open Day: **23 April 2024**

\*SITAG, MCAG, QAG replaced the Testing and Migration Advisory Group (TMAG) in Q1 2024.

## Working Group Progress Report

Systems Integration and Testing Advisory Group (SITAG)*				
	Data Working Group (DWG)	Environments and Configuration Management Working Group (EWG)	Systems Integration Test Working Group (SITWG)	Non-Functional Testing Working Group (NFTWG)
<b>Upcoming deliverables</b>	<ul style="list-style-type: none"> <li>SIT Non-Functional and Operational Data approaches issued for industry consultation and awaiting feedback</li> <li>Data to be prepared and passed to DCC for processing - 25th April</li> </ul>	<ul style="list-style-type: none"> <li>Environments Approach and Plan (Non-SIT LDSO) April SITAG</li> <li>Environments Approach and Plan (Settlement testing) Q2 SITAG</li> </ul>	<ul style="list-style-type: none"> <li>SIT Functional Test Themes 6,7,9 (January TMAG)</li> <li>SIT Functional Test Themes 8 (February TMAG)</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
<b>Latest meeting's agenda items</b>	02 May 2024 <ul style="list-style-type: none"> <li>TBC</li> </ul>	07 May 2024 <ul style="list-style-type: none"> <li>TBC</li> </ul>	02 May 2024 <ul style="list-style-type: none"> <li>TBC</li> </ul>	16 April 2024 <ul style="list-style-type: none"> <li>SIT Non-Functional Test Scenarios and Test Cases - Delivery Plan</li> <li>SIT Non-Functional Theme 1 DIP/Helix Volume Testing</li> </ul>
<b>Agenda items from last meeting</b>	04 April 2024 <ul style="list-style-type: none"> <li>Data Schedule Update</li> <li>SIT Functional Cycle 2 progress</li> <li>SIT Non-Functional Data Approach and Operational Approach</li> <li>SIT Migration</li> </ul>	02 April 2024 <ul style="list-style-type: none"> <li>Environments POAP</li> <li>Non-Functional Testing Architecture</li> <li>PP Releases – Raising an RFC</li> <li>Environments Approach &amp; Plan document Uplift</li> </ul>	04 April 2024 <ul style="list-style-type: none"> <li>SIT Migration Testing Test Scenarios &amp; Test Cases Themes 2&amp;3</li> <li>SIT Operational Test Scope</li> <li>SIT Operational Test Approach and Plan Delivery Schedule</li> <li>SIT Migration – Readiness and Approach</li> <li>SIT Functional Cycle 2 Settlement Testing – Readiness and Approach</li> </ul>	19 March 2024 <ul style="list-style-type: none"> <li>Participant NFT documentation</li> <li>SIT Non-Functional Test approach and Plan</li> </ul>
<b>L3 escalations</b>	None	None	None	None



## Working Group Progress Report

Migration and Cutover Advisory Group (MCAG)*			
	Migration Working Group (MWG)	Data Cleanse Working Group (DCWG)	Transition & Operational Readiness Working Group (TORWG)
<b>Upcoming deliverables</b>	Consult on Principle and process for: <ul style="list-style-type: none"> <li>Developing and initialising the Migration Schedule</li> <li>Maintaining the Migration Schedule</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>	<ul style="list-style-type: none"> <li>M10/M11 Cutover Plan</li> </ul>
<b>Latest meeting's agenda items</b>	11 April 2024 <ul style="list-style-type: none"> <li>Update on R488 (Export meters)</li> <li>MHHS Migration Framework Artefacts Consultation Themes</li> </ul>	25 April 2024 <ul style="list-style-type: none"> <li>TBC</li> </ul>	17 April 2024 <ul style="list-style-type: none"> <li>M10 / M11 Cutover Plan Governance and Choreography</li> <li>Early Life Support Model</li> </ul>
<b>Agenda items from last meeting</b>	14 March 2024 <ul style="list-style-type: none"> <li>MWG Progress Update</li> <li>Unresolved Migration Framework Development Workshop Items</li> <li>RAID Review</li> </ul>	28 March 2024 <ul style="list-style-type: none"> <li>Import / Export Matching LDSO Self-Declaration</li> <li>Population of ESME ID, Domestic Premises Indicator, Meter Location and Number of Displayed Register Digits</li> <li>Data Cleanse Reporting</li> <li>Review of Data Cleanse Plan Key Dates</li> </ul>	20 March 2024 <ul style="list-style-type: none"> <li>Qualification</li> <li>Deployment of MHHS Functionality</li> <li>Early Life Support Model</li> </ul>
<b>L3 escalations</b>	None	None	None

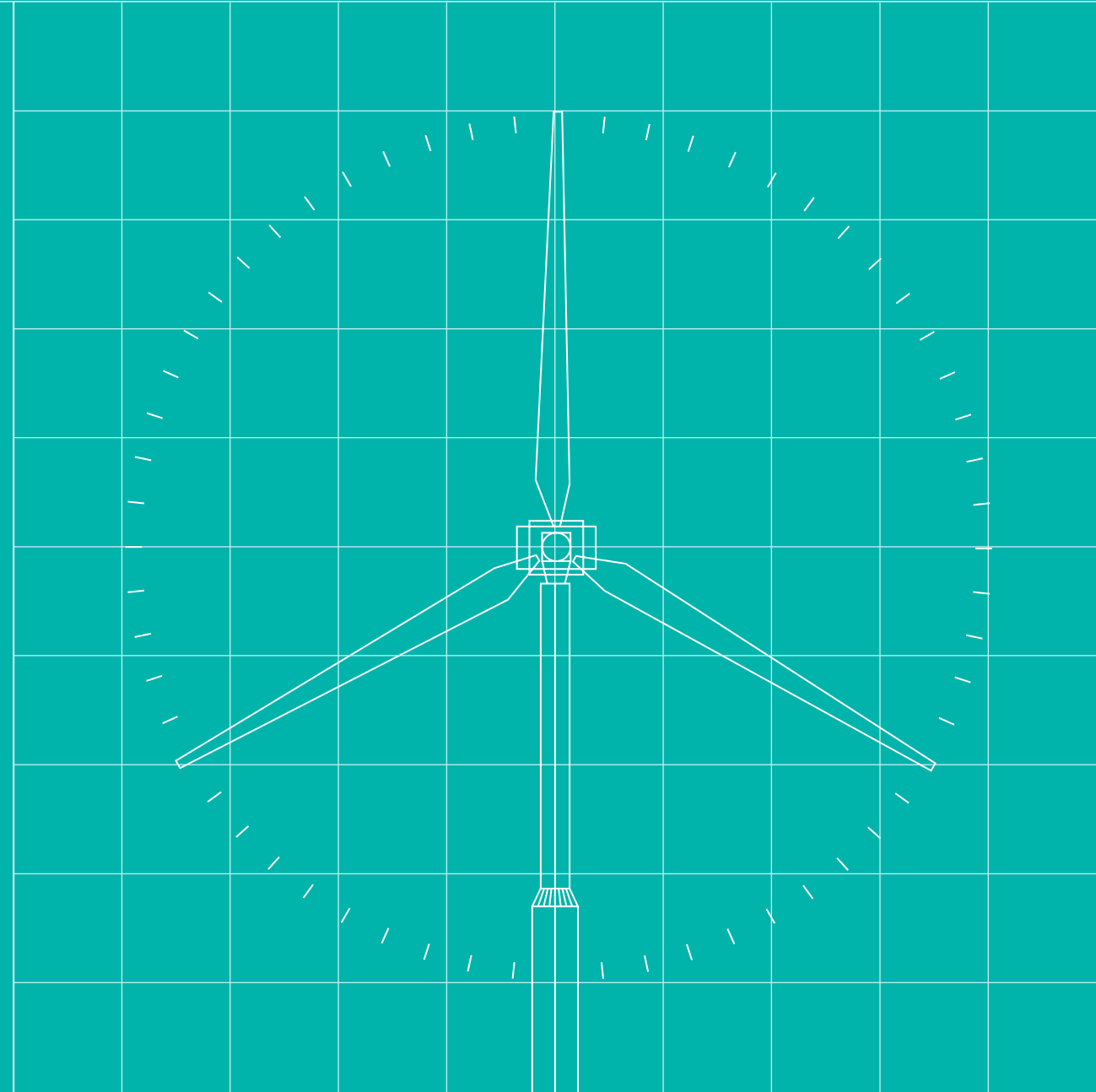
Qualification Advisory Group (QAG)*	
	Qualification and E2E Sandbox Working Group (QWG)
<b>Upcoming deliverables</b>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
<b>Latest meeting's agenda items</b>	14 May 2024 <ul style="list-style-type: none"> <li>TBC</li> </ul>
<b>Agenda items from last meeting</b>	09 April 2024 <ul style="list-style-type: none"> <li>New Entrants Approach for MHHS Qualification</li> <li>Update on Qualification Artefacts</li> <li>Focused Working Groups for QT</li> <li>LDSO QT Updates</li> <li>S&amp;A QT Framework Update</li> </ul>
<b>L3 escalations</b>	None

# Functional Non-SIT LDSO Test Scenarios and Test Cases

**DECISION:** Request for QAG to approve functional non-SIT LDSO Test Scenarios and Test Cases.

*Programme (Nicola Farley)*

*10 mins*



## Non-SIT LDSO Qualification - Test Scenarios and Test Case Assurance

A walkthrough of the **functional test scenarios and test cases** have been conducted with LDSO programme participants and the material has been uploaded on the shared area for further review and feedback.

QWG have endorsed functional test cases and test scenarios covering business processes:

**BP001** – Change of Supplier, **BP002** – Change of Service - Metering Service, **BP003** – Change of Service - Data Service, **BP003B** - Change of Existing Service Appointment Details, **BP005** - Data Processing, **BP007** - Disconnection, **BP008** - Change of Energisation Status , **BP009** – Change of Metering, **BP010** - Change of Registration Data, **BP011** - Change of Connection Type and/or Market Segment, **BP013** - Demand Disconnection Events, **BP016** - Consumption Amendment, **BP019** - Market-wide Data Service (ECS), **BP021** - Industry Standing Data (ECS) and Reports.

Programme participants' comments and feedback have been incorporated in the test case pack.

**DECISION [04]**

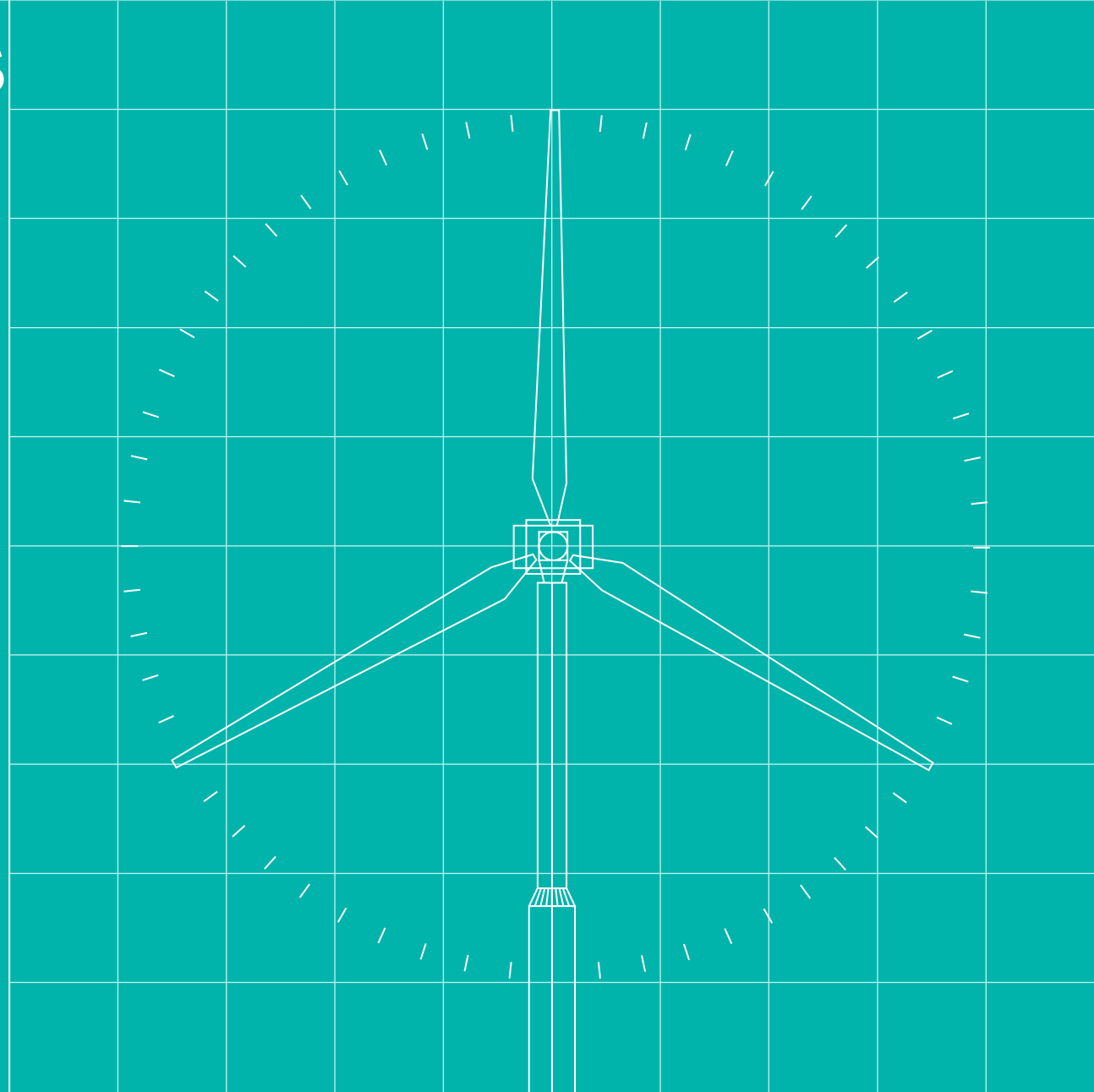
**QAG to confirm approval for functional non-SIT LDSO test scenarios and test cases and approval on relate milestone (subject to CR47 being approved)**

# Focused Working Groups for QT

**DECISION:** Approval to reorganise to separate QT only by LDSO and S&A - introduce concept and timelines.

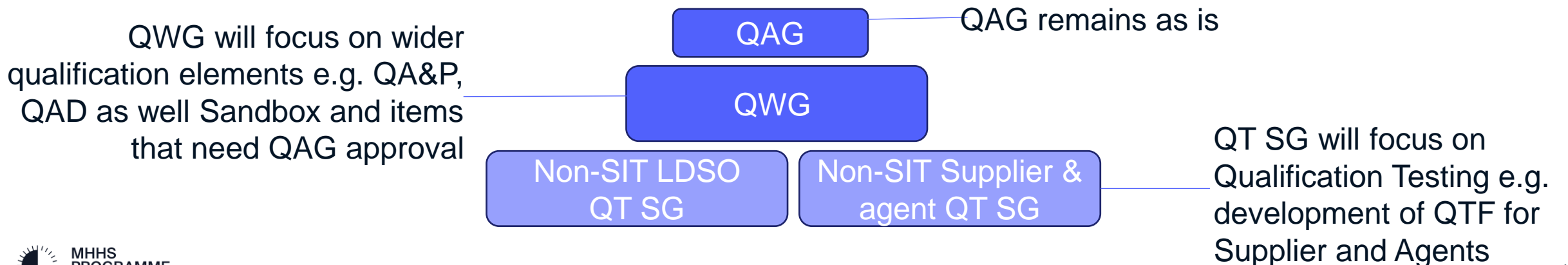
*Programme (Nicola Farley), Code Bodies (Laura Kennedy)*

10 mins



## Focused Subgroups for QT

- Feedback from Programme Participants has been that QWG covers a lot of material and therefore there often isn't time to discuss all elements fully
- As it gets closer to Qualification Testing, there is also an increasing need to talk about QT in more depth which will only be applicable to subset of Programme participants
- We are proposing to have two additional subgroups (one for LDSO and one for Supplier & Agents) which will focus on Qualification Testing only
  - Paper day to be 2 days prior rather than 5 as material is likely to be more demo based e.g. ADO or QTF
- Qualification Working Group will focus on wider MHHS qualification e.g. QA&P and QAD as well as items that need to QAG approval
- Timeline for implementation – request for approval of the approach at April's QAG and look to set up first QT specific sessions from May



QAG to provide recommendation to SRO on whether the request for two new subgroups should be approved.

**DECISION [05]**

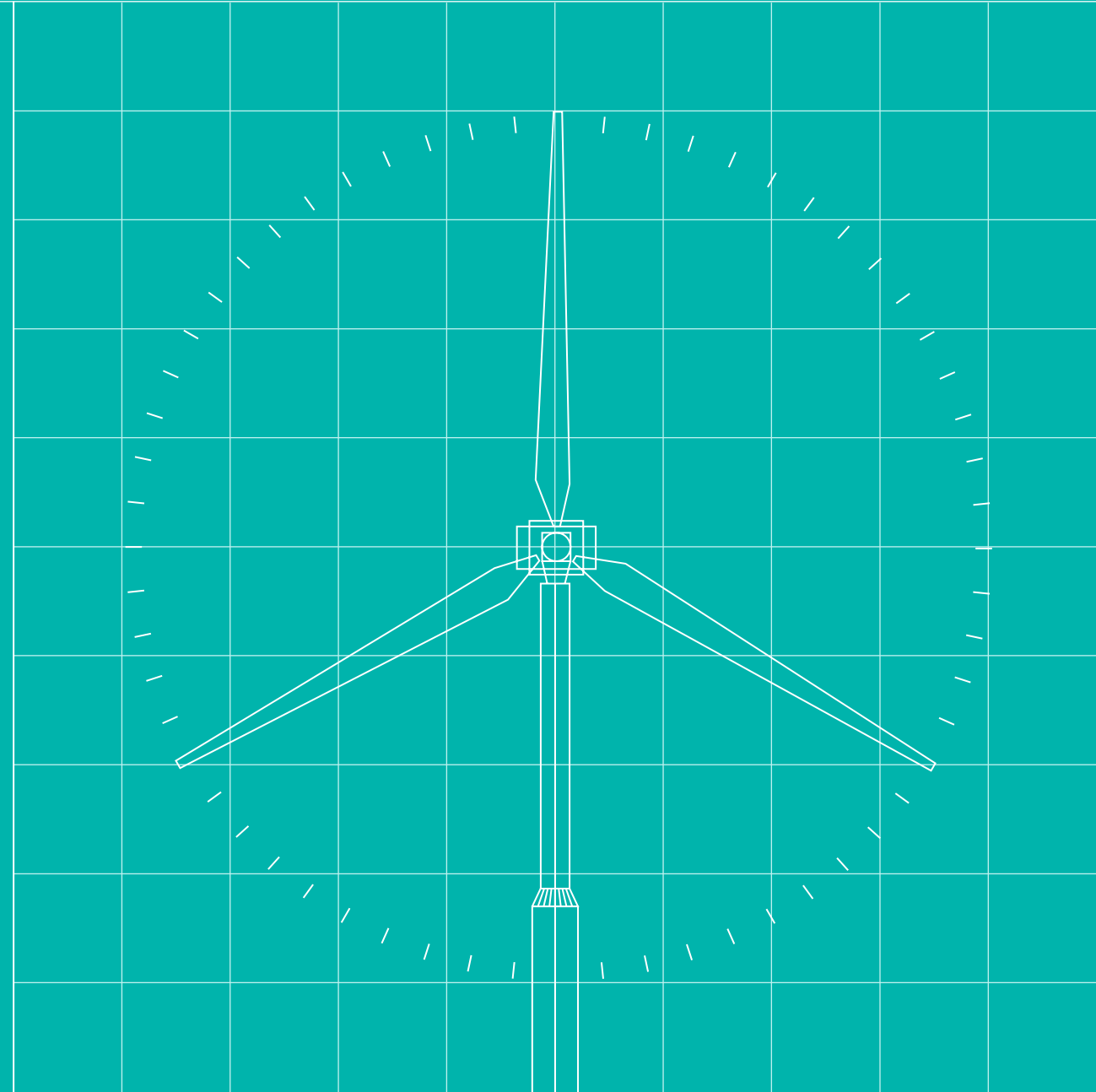
**SRO to approve / reject establishment of new Non-SIT LDSO QT and Non-SIT Supplier & agent QT subgroups**

# Environments Approach & Plan

**INFORMATION:** Information on approval of the Environments Approach & Plan v2.13 from SITAG, incorporating the non-SIT LDSO Qualification test environment architecture

*Programme (Simon Berry)*

*5 mins*

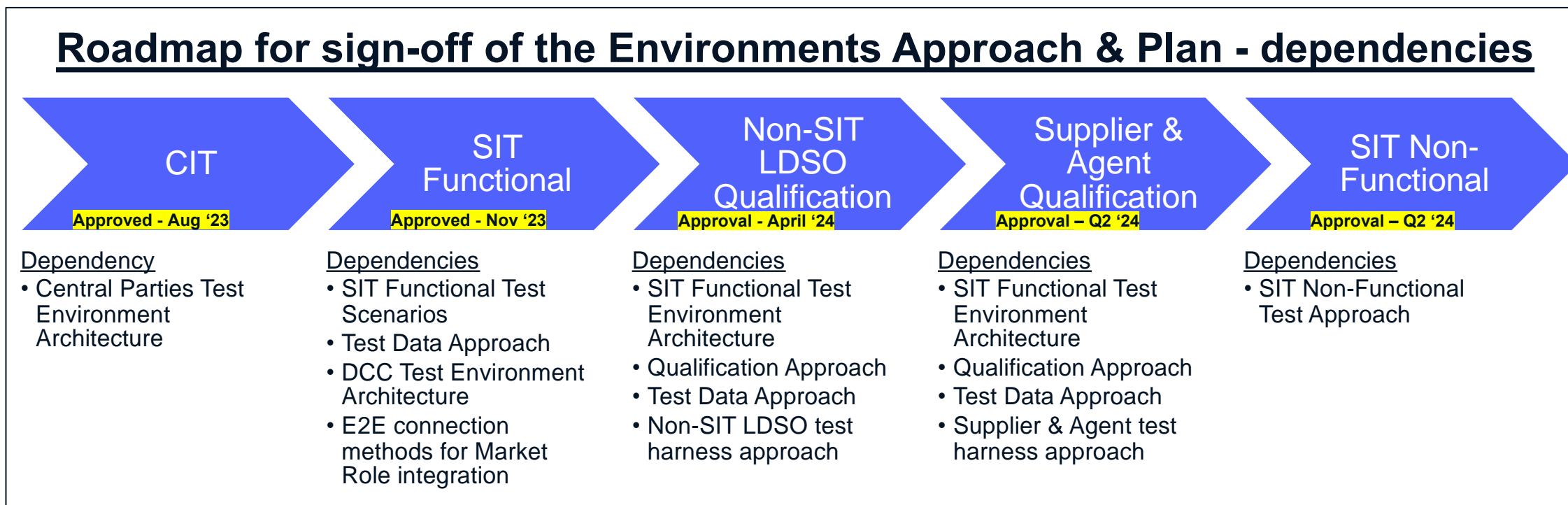


## Environments Approach & Plan, v2.13

- Version 2.12 of the Environments Approach & Plan document was issued for review on 13 March, with the review period closing on 21 March.
- 17 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 v2.13.
- This document covers the test environment architecture for Non-SIT LDSO Qualification Testing.
- Further iterations of the document will be made in order to include;
  - Non-Functional Testing (including; Non-Functional and Operational testing)
  - Supplier & Agent Qualification Testing
  - 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.
- A recommendation to SITAG for the approval of v2.13 of the Environments Approach & Plan has been requested and we can report the outcome of this to QAG.



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



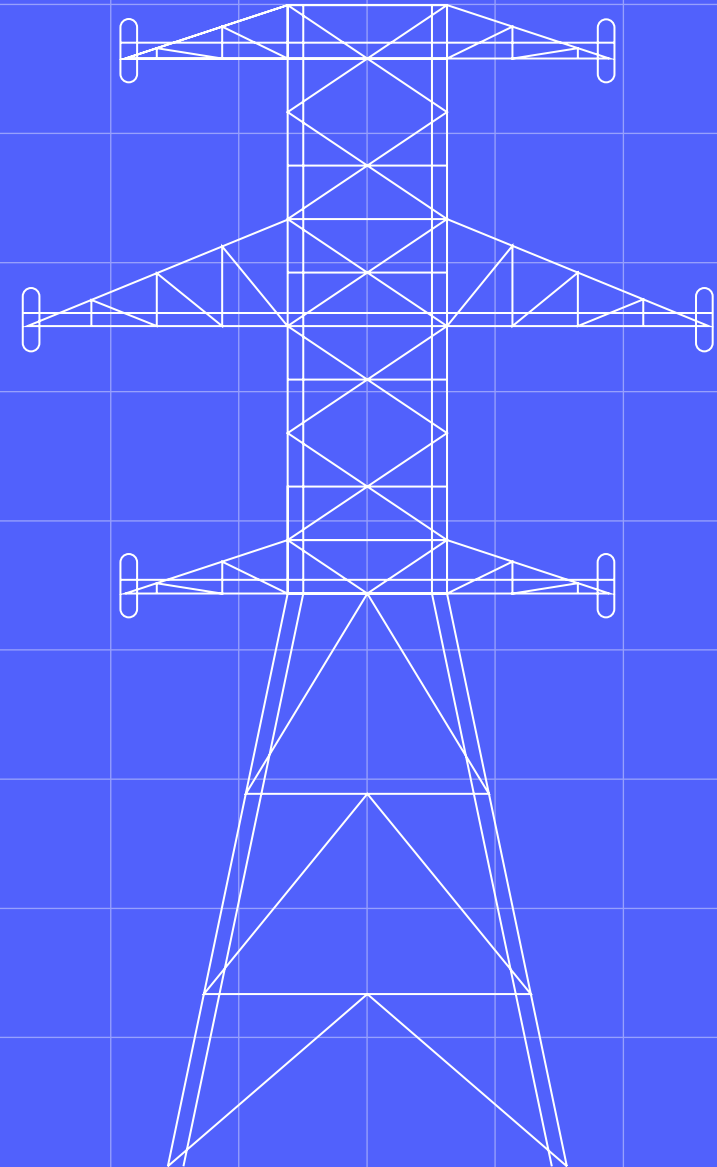
# Updates from QWG

**INFORMATION:** Latest summary of updates from QWG:  
Code Bodies to provide update on:

- Qualification Approach for New Entrants
- QAD consultation

*Code Bodies (Matt Cogram)*

*5 mins*



## New Entrant Approach – SIT and Non-SIT LDSO

To qualify as a **SIT Participant** or **Non-SIT LDSO** before M10

Qualifying in **Legacy** arrangements and **MHHS** arrangements

Full BSC/REC Market Entry Processes  
Plus, MHHS Qualification;

- QAD
- PIT
- SIT/QT

Note: Must **complete legacy** BSC/REC Market Entry **before entering MHHS** Qualification Testing.

Qualifying in **MHHS** arrangements **only** but not an **existing Participant**

Only applicable to SIT Data Services  
BSC Market Entry Processes

- Signing the Qualification Letter
- SAD which will include QAD questions

Plus, MHHS Qualification;

- PIT
- SIT

### To qualify **between M10 and M14** through **Qualification Testing**

Qualifying in **Legacy** arrangements and **MHHS** arrangements

BSC/REC **Legacy** Market Entry Processes  
e.g. existing BSA/SAD

Plus, MHHS Qualification:

- PQS and QAD
- PIT
- QT

After April, wave allocation will be subject to availability

Qualifying in **MHHS** arrangements **only** but not an **existing Participant**

BSC/REC **Adapted** Market Entry Processes  
e.g. BSA/SAD which will include QAD questions

Plus, MHHS Qualification:

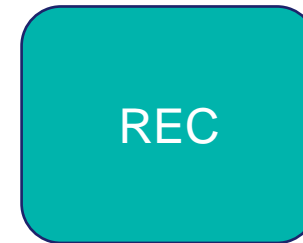
- PQS
- PIT
- QT

After April, wave allocation will be subject to availability

To qualify **after M14** through **enduring arrangements**



- Update SAD to include MHHS Roles
- Update existing MHHS-impacted roles to cover new obligations
- Working with REC to update BSC/REC joint storyboards



- Update BSA for existing roles to cover new obligations
- Work with BSC to update joint storyboards
- Update test cases for external testing

## QAD Consultation

### **Theme 1 – Document Instructions and Guidance**

- This was the first publication of the QAD, hence we received a number of comments on how the document will need to be filled out, and what guidance will be available
- We will provide guidance for the QAD in a similar format to the current SAD/BSA guidance
- The document will be filled out online, including guidance on what is needed for the initial and final submission

### **Theme 2 – Scope of QAD**

- Requests for clarification on how wide the scope is for the QAD submission
- Code Bodies will only be assessing against BSC and REC obligations brought about by MHHS
- This may include upstream/downstream systems not tested as part of SIT/QT functional testing but that interface with in-scope MHHS systems and business processes
- In cases where Participants are placing reliance, they must still complete the QAD with particular focus on any additional testing in their own integrated environment

## **This Month the QWG discussed:**

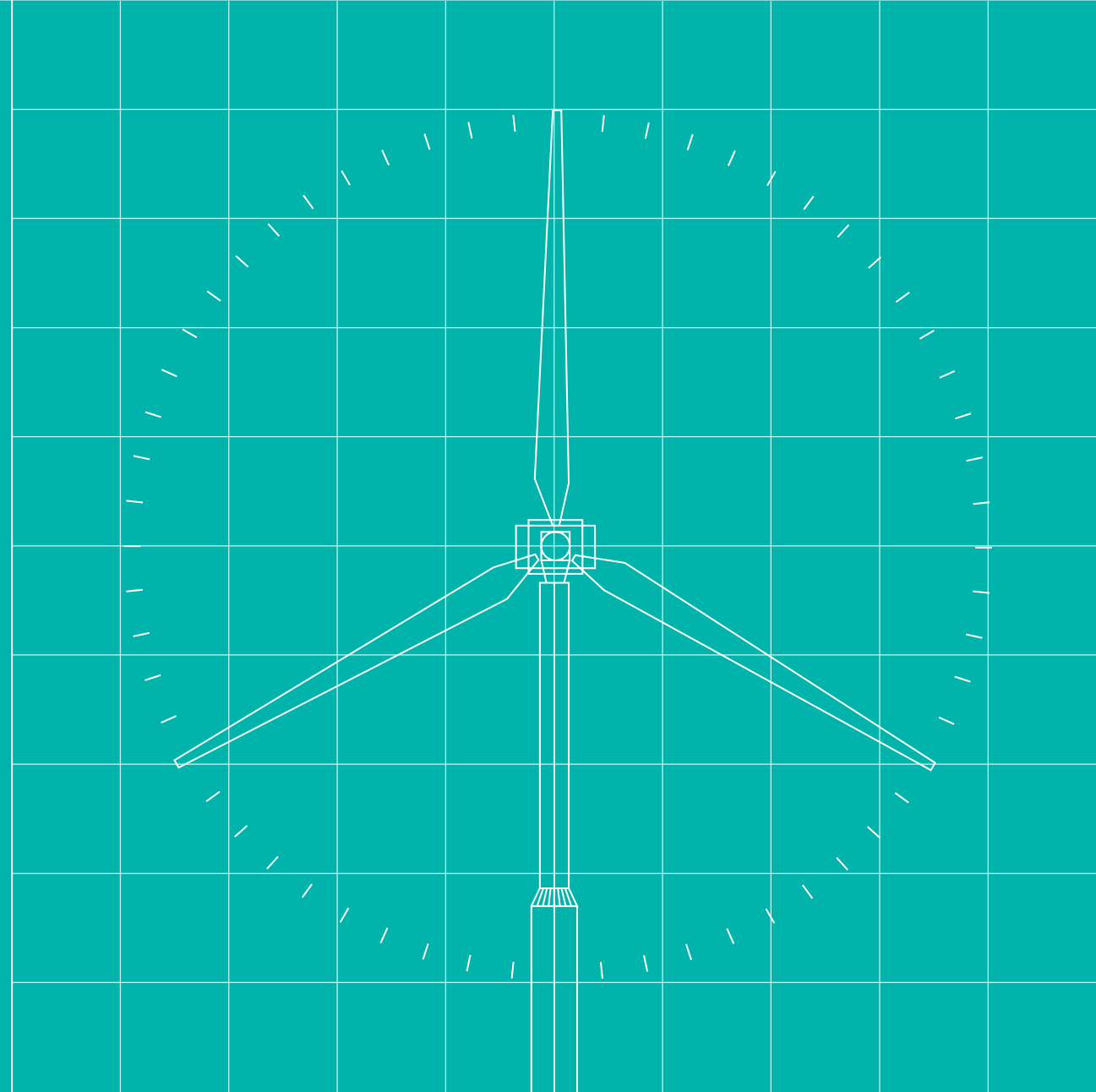
- New Entrant approach for MHHS Qualification
- Sandbox update
- Qualification Artifacts update
- Focused Working Groups for Qualification Testing
- LDSO Qualification Testing update
- Pre-Qualification Submission Drop-in Session

# Update on Proposed Changes to Qualification Milestones

**INFORMATION:** Verbal update on changes to qualification milestones within the Programme plan

*Programme (Nicola Farley) & Code Bodies (Laura Kennedy)*

*5 mins*



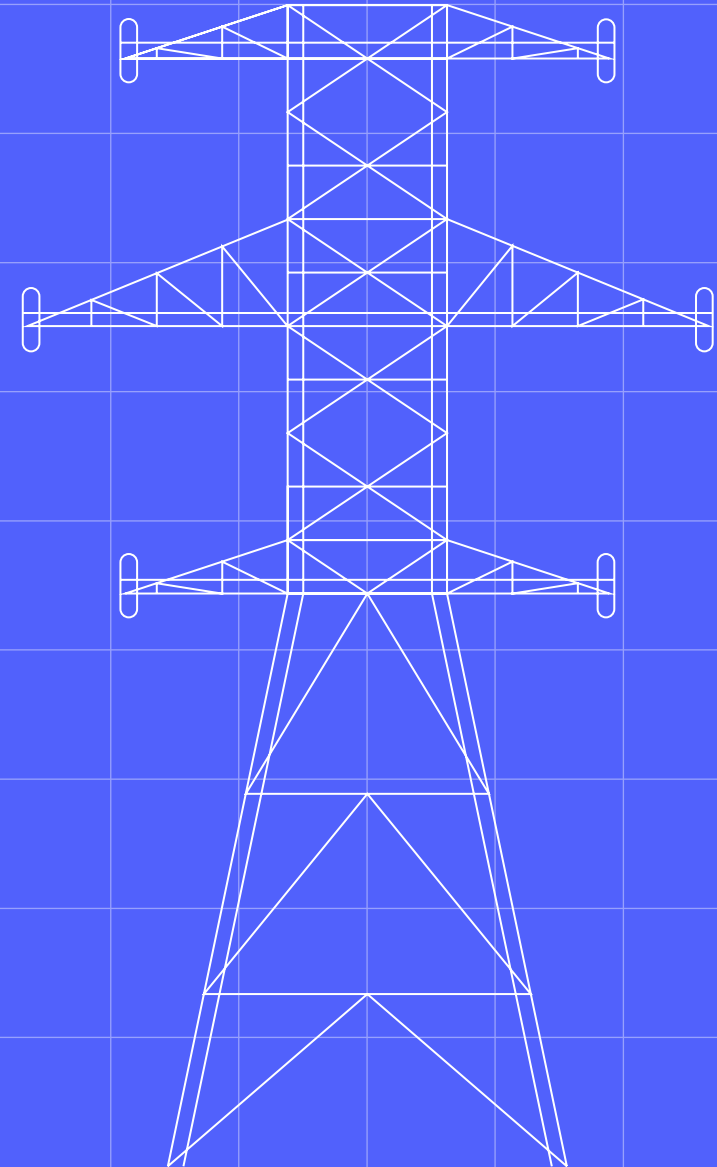


# Programme Milestones related to QAG

**INFORMATION:** Overview of upcoming Programme Milestones related to QAG and any milestone changes for approval:  
Approval of Milestone T3-QU-0063  
Approval of Milestone T3-QU-0064  
Approval of Milestone T3-QU-0066

*Programme (Nicola Farley) & Code Bodies (Laura Kennedy)*

*5 mins*



## SIT Migration: Milestones, statuses & work-off plans (as of 10-Apr-24)

Milestone ID	Milestone Title	Baseline Date	Forecast Date	Responsible	RAG	Commentary including any expected work-off
T3-DB-0143	All SIT Migration PIT Test Approach & Plans submitted to Programme for assurance	Fri 16/02/24	Fri 16/02/24	PP	Complete	36/36 received
T3-DB-0145	All SIT Migration PIT RTTMs submitted to Programme for assurance	Thu 07/03/24	Thu 07/03/24	PP	At Risk	27/35 received. Remainder to be chased
T3-DB-0147	All SIT Migration PIT test scenarios submitted to Programme for assurance	Thu 07/03/24	Thu 07/03/24	PP	At Risk	24/35 received. Remainder to be chased
T3-DB-0144	All SIT Migration PIT Test approach and plans MHHS Reviews Completed	Thu 11/04/24	Thu 11/04/24	SI Test	At Risk	Final reviews in progress, at risk because of late delivery of PIT test approach and plans by PPs
T3-TE-0111	SIT Migration Test scenarios & Test Cases Approved - Theme 2	Wed 17/04/24	Wed 17/04/24	SI Test	On Track	Decision on approval at SITAG 17 April 2024
T3-TE-0112	SIT Migration Test scenarios & Test Cases Approved - Theme 3	Wed 17/04/24	Wed 17/04/24	SI Test	On Track	Decision on approval at SITAG 17 April 2024
T3-DB-0146	All SIT Migration RTTMs MHHS Reviews Completed	Thu 18/04/24	Thu 18/04/24	SI Test	At Risk	At risk because of late delivery of RTTMs by PPs
T3-DB-0148	All SIT Migration Test scenarios MHHS Reviews Completed	Thu 18/04/24	Thu 18/04/24	SI Test	At Risk	At risk because of late delivery of PIT test scenarios by PPs
T3-DB-0149	All SIT Migration PIT Completion Reports submitted to Programme for assurance	Fri 10/05/24	Fri 10/05/24	PP	On Track	
T3-DB-0150	All SIT Migration PIT Completion Reports MHHS Review Completed	Fri 24/05/24	Fri 24/05/24	SI Test	On Track	
T2-TE-0650	SIT Migration Testing Preparation Complete	Mon 03/06/24	Mon 03/06/24	SI Test	On Track	Overall Green, but some PPs are reporting readiness challenges that may impact their specific Cohorts
T3-TE-0038	SIT Migration Testing Start	Mon 10/06/24	Mon 10/06/24	SI Test	On Track	

# Look Ahead – Key Milestones Status at 10-Apr-24 (1)

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

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 03/04/24	Current RAG 10/04/24	Forecast RAG 17/04/24	Commentary
T3-TE-0067	SITAG	E2E Sandbox Guidance approved	Fri 04/08/23	Fri 04/08/23	SI Test				Updated POAP with options discussed at QWG on 9/4/24. Final decision to be made at SITAG on 17/4/24
T3-TE-0033	SITAG	SIT Participants' SIT B environments ready to start connectivity proving (incl. certificates and security compliance)	Mon 01/04/24	Fri 03/05/24	SI Test				Date change because plan aligned with FTIG and EWG updates regarding settlement testing plan dates and activities
T3-TE-0091	SI Test	Environment Approach and Plan - Non SIT LDSO & S and A Testing	Wed 17/04/24	Wed 17/04/24	SI Test				To go to Apr SITAG for name change as Non-SIT LDSO and S and A will deliver on different timelines so '& S and A' will be removed
T3-TE-0091	SITAG	Environment Approach and Plan - Non SIT LDSO & S and A Testing	Wed 17/04/24	Wed 17/04/24	SI Test				To go to Apr SITAG for name change as Non-SIT LDSO and S and A will deliver on different timelines so '& S and A' will be removed and a new S and A milestone will be raised at the April SITAG to reflect this.
TBC	QAG (Non-SIT LDSO)	Approval of Batch 1-3 Test Cases & Scenarios at QAG		Thu 18/04/24	Non-SIT LDSO				Proposed new qualification milestone as part of <a href="#">Programme Change Request CR047</a>
TBC	QAG (Non-SIT LDSO)	Test Scenarios & Cases- Functional - Approved at QAG		Thu 18/04/24	Non-SIT LDSO				Proposed new qualification milestone as part of <a href="#">Programme Change Request CR047</a>
T3-QU-0008	QAG (Non-SIT LDSO)	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Test Execution Schedule Approved	Fri 26/04/24	Thu 15/08/24	Non-SIT LDSO				Proposed change to Baseline Finish date to realign to forecast date included in <a href="#">Programme Change Request CR047</a>
TBC	QAG (Non-SIT LDSO)	Test Data Plan Approved at QAG		Thu 16/05/24	Non-SIT LDSO				Proposed new qualification milestone as part of <a href="#">Programme Change Request CR047</a>
TBC	QAG (Non-SIT LDSO)	PIT Test Plan Deadline for Submission for Non-SIT LDSO QT		Fri 14/06/24	Non-SIT LDSO				Proposed new qualification milestone as part of <a href="#">Programme Change Request CR047</a>

Milestone RAG definitions			
Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation

# Look Ahead – Key Milestones Status at 10-Apr-24 (2)

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

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 03/04/24	Current RAG 10/04/24	Forecast RAG 17/04/24	Commentary
T3-QU-0009	QAG (Non-SIT LDSO)	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Participants' Environments (TBC) Ready To Start Connectivity Proving (Incl. Certificates & Security Compliance)	Fri 26/04/24	Mon 05/08/24	Non-SIT LDSO				Proposed change to Baseline Finish date to realign to forecast date included in <a href="#">Programme Change Request CR047</a>
TBC	QAG	Pre-Qualification Submission and PIT Test Plan Deadline for Submission		Fri 26/04/24	PP				Proposed new qualification milestone as part of <a href="#">Programme Change Request CR047</a>
T3-DB-0151	SITAG	SIT Non-Functional PIT Test Approach & Plan (PIT) submitted to Programme for assurance	Fri 10/05/24	Fri 10/05/24	PP				
T3-TE-0092	SITAG	Environment Approach and Plan - SIT Non Functional	Wed 15/05/24	Wed 19/06/24	SI Test				Date change because of dependency on NF test approach and plan. Currently under PP review
T3-TE-0026	SITAG	SIT Non-Functional Testing Test Approach & Plan approved	Wed 15/05/24	Wed 15/05/24	SI Test				
T3-TE-0113	SITAG	SIT Non-Functional Testing Test Data Approach & Plan approved	Wed 15/05/24	Wed 15/05/24	SI Test				At risk because of tight delivery schedule
T3-TE-0029	SITAG	SIT Operational Testing Test Approach & Plan approved	Wed 15/05/24	Wed 15/05/24	SI Test				At risk because of tight delivery schedule
TBC	QAG (Non-SIT LDSO)	Test Scenarios & Cases - Migration - Approved at QAG		Thu 16/05/24	Non-SIT LDSO				Proposed new qualification milestone as part of <a href="#">Programme Change Request CR047</a>
TBC	QAG (Non-SIT LDSO)	Test Data Approach Approved at QAG		Fri 17/05/24	Non-SIT LDSO				Proposed new qualification milestone as part of <a href="#">Programme Change Request CR047</a>
T3-RE-0500	CCAG	Final code drafting (mop-up) approved	Wed 22/05/24	Wed 22/05/24	PP				



Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation
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# Look Ahead – Key Milestones Status at 10-Apr-24 (3)

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

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 03/04/24	Current RAG 10/04/24	Forecast RAG 17/04/24	Commentary
TBC	QAG (Non-SIT LDSO)	QAG Approval for Operational, Non-Functional & Migration Annexes of Approach & Plan		Thu 16/05/24	Code Bodies				Proposed new qualification milestone as part of <a href="#">Programme Change Request CR047</a>
T3-TE-0080	SITAG	Cycle 2 - PP's confirmation that test data is ready for SIT Functional	Mon 27/05/24	Fri 31/05/24	SI Test Data				Date change because after detailed planning the date has moved back 3 days. This allows more time for participants data loading and checking
T3-MI-0023	MCAG	MCAG Approval of M10/M11 Cut-over Plan	Tue 28/05/24	Tue 28/05/24	SI Transition				
T3-DB-0153	SITAG	SIT Non-Functional PIT RTTM submitted to Programme for assurance	Thu 30/05/24	Thu 30/05/24	PP				
T3-DB-0155	SITAG	SIT Non-Functional PIT test scenarios submitted to Programme for assurance	Thu 30/05/24	Thu 30/05/24	PP				
T3-QU-0065	QAG	Non-Functional Testing elements of Qualification Approach & Plan v3 approved by REC PAB & BSC PAB	Thu 30/05/24	Thu 27/06/24	Code Bodies				Proposed change to Baseline Finish Date to realign to forecast date included in <a href="#">Programme Change Request CR048</a>
TBC	QAG (Non-SIT LDSO)	Test Data Cut Complete		Mon 10/06/24	Non-SIT LDSO				Proposed new qualification milestone as part of <a href="#">Programme Change Request CR047</a>
TBC	QAG (Non-SIT LDSO)	Interim Test Readiness Report Submission to MHHS Programme for Review		Fri 31/05/24	LDSO				Proposed new qualification milestone as part of <a href="#">Programme Change Request CR047</a>
T3-DB-0159	SITAG	SIT Operational PIT Test Approach & Plan (PIT) submitted to Programme for assurance	Fri 14/06/24	Fri 14/06/24	PP				
TBC	SITAG	SIT NFT Scenarios & Test Cases Approved - Theme 1		Wed 19/06/24	SI Test				New milestone added because of NFT themed delivery approach
TBC	QAG (Non-SIT LDSO)	Test Scenarios & Cases - Non-Functional - Approved at QAG		Thu 20/06/24	Non-SIT LDSO				Proposed new qualification milestone as part of <a href="#">Programme Change Request CR047</a>

Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation
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# Look Ahead – Key Milestones Status at 10-Apr-24 (4)

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

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 03/04/24	Current RAG 10/04/24	Forecast RAG 17/04/24	Commentary
TBC	QAG (Non-SIT LDSO)	PP Test Scope Approved at QAG		Thu 20/06/24	Non-SIT LDSO				Proposed new qualification milestone as part of <a href="#">Programme Change Request CR047</a>
T3-DB-0183	SITAG	DIP Simulator uplifted to align with Interim Release 8	Fri 21/06/24	Fri 21/06/24	SI DevOps				
T3-MI-0033	MCAG	MCAG Approval of Early Life Support Model	Tue 25/06/24	Tue 25/06/24	SI Transition				
TBC	QAG (Non-SIT LDSO)	Test Scenarios & Cases - Operational - Approved at QAG		Thu 27/06/24	Non-SIT LDSO				Proposed new qualification milestone as part of <a href="#">Programme Change Request CR047</a>
TBC	SITAG	Environment Approach and Plan - S and A Testing	Wed 17/07/24	Wed 17/07/24	SI Test				New milestone to go to Apr SITAG as Non-SIT LDSO and S and A will deliver on different timelines so need to create a new milestone for S and A

Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation
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The following three milestones are ready for confirmation of completion following the approval of the Qualification Approach and Plan v2 and Qualification Assessment Document v1 at the BSC and REC PABs:

- T3-QU-0063: Functional Testing elements of Qualification Approach and Plan v2 approved by REC PAB and BSC PAB
- T3-QU-0064: Migration Testing elements of Qualification Approach and Plan v2 approved by REC PAB and BSC PAB
- T3-QU-0066: Qualification Assessment Document v1 approved by REC PAB and BSC PAB

### DECISION [06]

#### QAG to confirm milestones:

- **T3-QU-0063**, *Functional Testing elements of Qualification Approach and Plan v2 approved by REC PAB and BSC PAB*
- **T3-QU-0064**: *Migration Testing elements of Qualification Approach and Plan v2 approved by REC PAB and BSC PAB*
- **T3-QU-0066**: *Qualification Assessment Document v1 approved by REC PAB and BSC PAB*

## Qualification Deliverable milestones - 2024

Milestone ID	Task Name	Baseline Date in Programme Plan	Date as per CR48*	Status
T3-QU-0063	Functional Testing elements of Qualification Approach & Plan v2 approved by REC Manager & BSC PAB	31/10/2023	28/03/2024	Milestone being presented at QAG for approval
T3-QU-0064	Migration Testing elements of Qualification Approach & Plan v2 approved by REC PAB & BSC PAB	06/03/2024	28/03/2024	Milestone being presented at QAG for approval
T3-QU-0066	Qualification Assessment Document v1 approved by REC PAB and BSC PAB	16/04/2024	28/03/2024	Milestone being presented at QAG for approval
T3-QU-0065	Non-Functional Testing elements of Qualification Approach & Plan v3 approved by REC PAB & BSC PAB	30/05/2024	27/06/2024	On track, update to be completed once SIT Non-Functional Approach and Plan published.
T3-QU-0068	Operational Testing elements of Qualification Approach & Plan v4 approved by REC PAB & BSC PAB	14/08/2024	29/08/2024	On track, update to be completed once SIT Operational Approach and Plan published.
T3-QU-0062	Final Qualification Approach & Plan v4 approved by REC PAB & BSC PAB	14/08/2024	29/08/2024	On track.
T3-QU-0067	Qualification Assessment Document v2 approved by REC PAB and BSC PAB	25/10/2024	29/08/2024	At risk of slippage due to dependency on SIT Non-Functional and Operational Test Scenarios and Test Cases.



## Qualification Wave (Non-SIT Suppliers and Agents) milestones - 2024

Milestone ID	Task Name	Baseline Date in Programme Plan	Date as per CR48*	Status
T3 TBC	Pre-Qualification Submission and PIT Test Plan Deadline for Submission	New	26/04/2024	On track, Qualification Wave Participants due to submit PQS by 26/04/24. Webinar held and drop in sessions set up to support completion, alongside update of PIT Guidance.
T3-QU-0012	Confirmation of participant Qualification Wave allocation	08/06/2024	28/06/2024	On track, dependency on PQS being received from Qualification Wave Participants by 26/04.
T3-QU-0017	Qualification Wave 1 Participants' have started DIP Onboarding	04/11/2024	01/11/2024	On track
T3 TBC	Qualification Wave 1 Participants to provide status of PIT completion and submit QT Test Plan	New	29/11/2024	New milestone added to support participant planning.
T3 TBC	Qualification Wave 1 Participants have submitted PIT Test Completion Report and evidence for QT Entry	New	20/12/2024	New milestone added to support participant planning.
T3-QU-0016	Qualification Test Plans for Wave 1 Participants approved	04/11/2024	20/12/2024	On track.
T3 TBC	Qualification Wave 1 Participants have submitted their Initial QAD	New	20/12/2024	New milestone added to support participant planning.

## Qualification Non-SIT LDSO QT milestones – 2024 (1/2)

Milestone ID	Task Name	Baseline Date in Programme Plan	Date as per CR47*	Status
T3-QU-0011	Confirmation of participants for Non-SIT LDSO Qualification Testing	15/02/24	18/04/2024	Milestone approved at March's QAG
T3	Non-SIT LDSO QT Test Data Plan Approved by QAG	New	26/04/2024	Non-SIT LDSO QT Test Data Plan out for consultation. Approval to be May QAG rather than April to allow for time to respond to consultation feedback.
T3	Non-SIT LDSO submission of PIT Approach and Plan (functional and migration)	New	26/04/2024	Update PIT guidance shared and additional session to be scheduled.
T3	Non-SIT LDSO submission of PIT Approach and Plan (non-functional and operational)	New	14/06/2024	Annex 1 to be updated with non-functional and scheduled to be issued for consultation in April.
T3	Batch 1-3 Non-SIT LDSO QT Functional Test Scenarios and Test Cases approved	New	18/04/2024	Test scenarios at QAG for approval
T3	Non-SIT LDOS QT Non-Functional, Operational and Migration Test Scenarios and Test Cases approved	New	18/07/2024	Annex 1 to be updated with non-functional and scheduled to be issued for consultation in April.
T3	Non- SIT LDSO submission deadline for final PIT Test Completion Report (Non-Functional and Operational and agreed functional scope)	New	30/09/2024	New milestone added to support participant planning

## Qualification Non-SIT LDSO QT milestones – 2024 (2/2)

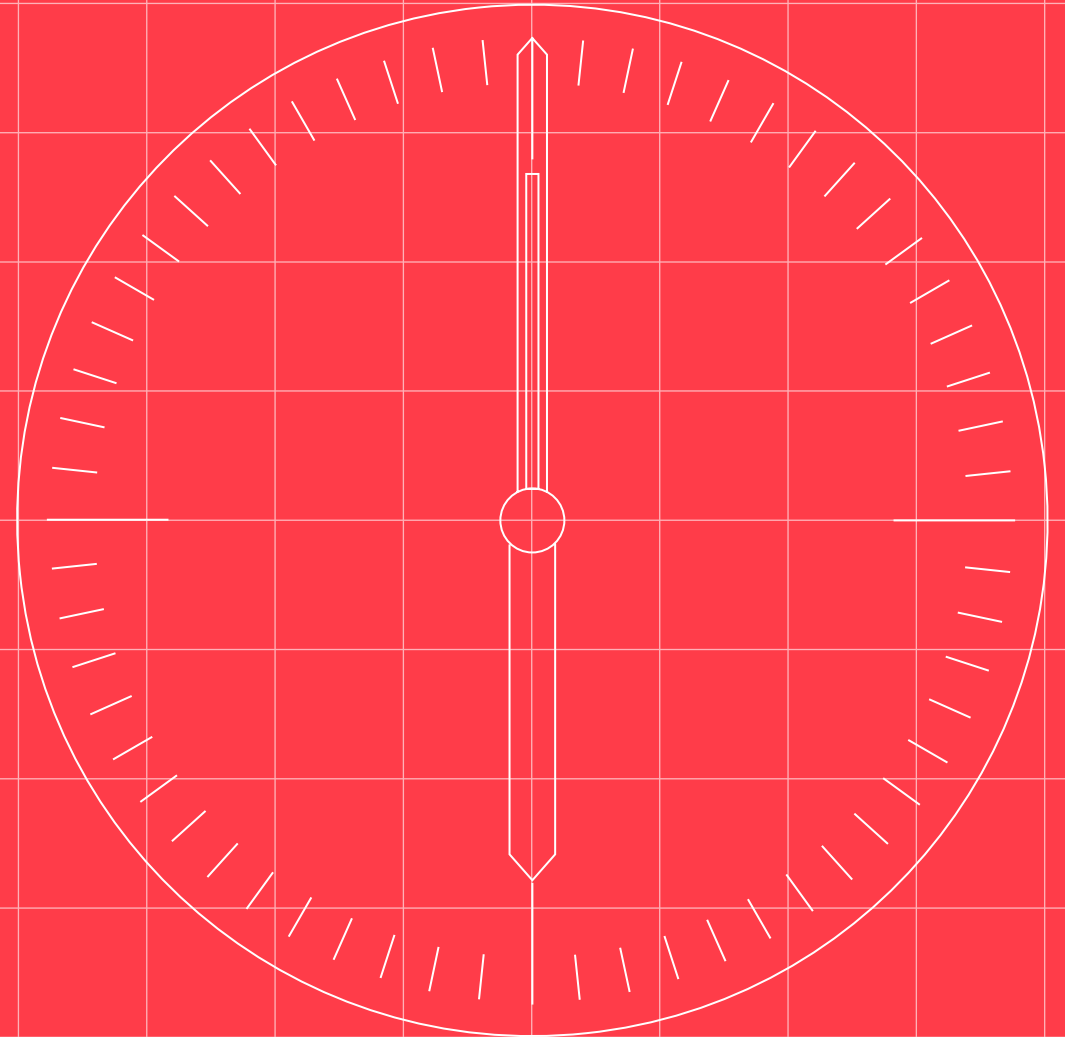
Milestone ID	Task Name	Baseline Date in Programme Plan	Date as per CR47*	Status
T3-QU-0008	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Test execution schedule approved	15/05/2024	15/08/2024	Tracking red against programme plan baseline. Tracking green against new plan dates (CR47).
T3-QU-0009	Qualification Testing for Non-SIT LDSOs Participants' environments )Ready to start DIP onboarding (incl. certificates and security compliance)	15/05/2024	05/08/2024	Tracking red against programme plan baseline. Tracking green against new plan dates (CR47).
T3 TBC	MHHSP/Code Bodies approval of non-SIT LDSO QT participants test plans	New	20/06/2024	On track – conversations ongoing on high level test scope
T3-QU-0007	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Programme Test Readiness confirmed	24/07/2024	30/09/2024	Tracking red against programme plan baseline. Tracking green against new plan dates (CR47).
T3 TBC	Non-SIT LDSO QT participant Test Environments connection confirmed to UIT environment	New	18/09/2024	On track
T2 TBC	Non-SIT LDSOs Qualification Testing Participants (Functional, Migration, NFT, Operational) Test Readiness confirmed (Final Test Readiness Review for LDSO)	New	30/09/2024	On track
T3 TBC	Non-SIT LDSO QT Participants have submitted their initial QAD	New	10/10/2024	On track
T3 TBC	Non-SIT LDSOs submission deadline for their QT Test Completion Report to MHHS Programme	New	20/12/2024	On track
T3-QU-0010	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) 1 End	24/01/2025	24/01/2025	On track

# Top Programme Risks Related to QAG

**INFORMATION:** QAG awareness of the key RAID items impacting the QAG

*Chair*

*0 mins – to be taken as read and discussed by exception*



## Risk Theme 2: Risks to Qualification success

**RAID (2 of 5)**  
Updated to 11/042024

Theme	Summary	Mitigation Approach Overview	RAG Status	
Risks to Qualification Success	Code Bodies are accountable for Qualification for all relevant PPs. Industry participants have raised a risk that there has been a lack of clarity on the approach and plan to deliver Qualification for non-SIT LDSOs, Suppliers and Agents.	<ul style="list-style-type: none"> <li>CR 47 and 48 out for IA. This includes some additional milestones to support participant planning.</li> <li>Ongoing collaboration between MHHSP and Code Bodies and industry to develop Qualification material through QWG</li> <li>Qualification Approach and Plan, Qualification Assessment document (QAD), LDSO qualification testing approach approved at March's QAG / PABs. Supplier &amp; Agent test approach consultation has now closed.</li> </ul>	Previous RAG	Amber (16 risks)
			Current RAG	Amber (18 risks)

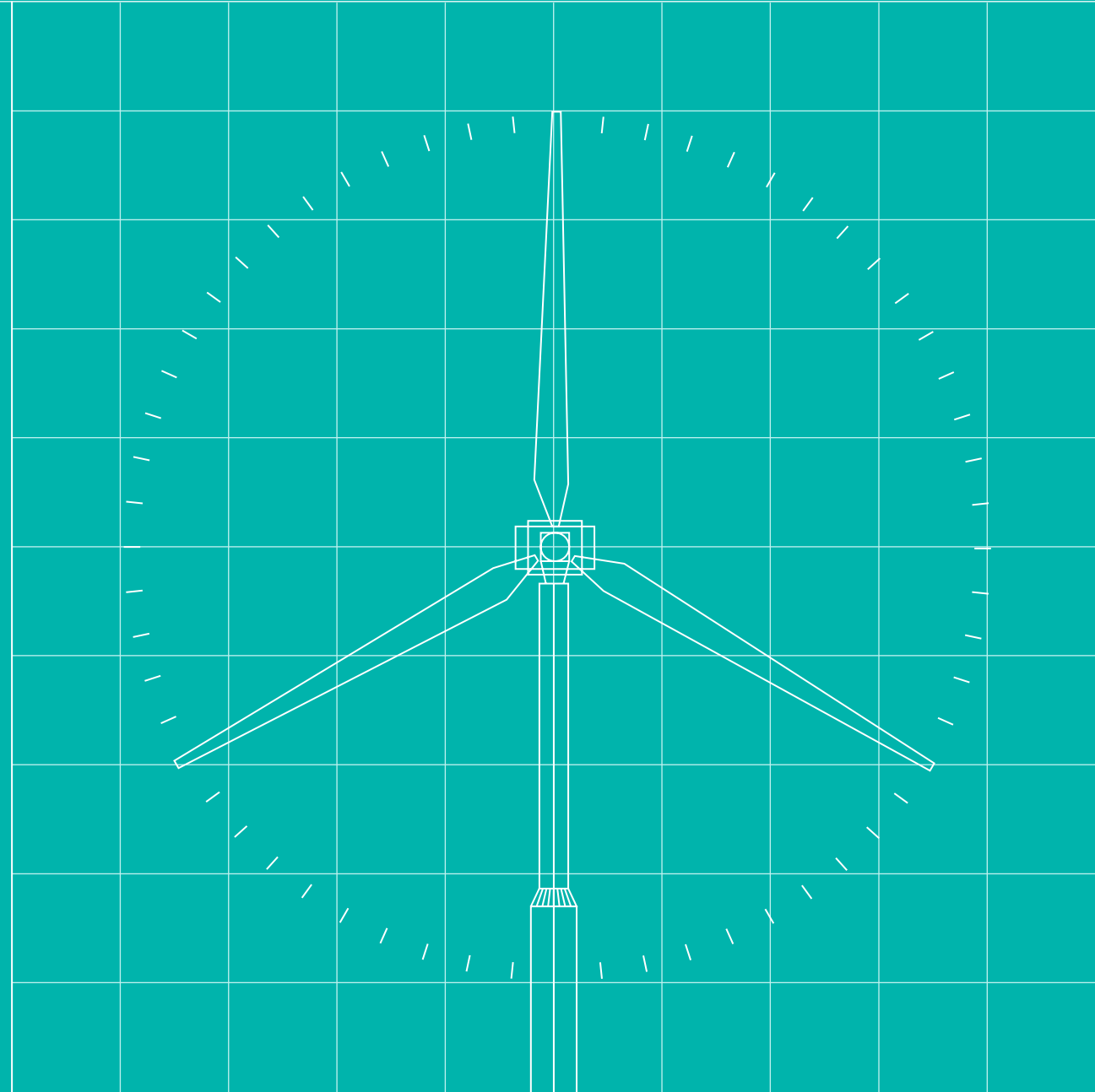
Risk/Issue ID	Risk Description	Key Risks																Current score movement since last QAG	Mitigation Plan	Key														
		Risk Score Assessment																		Initial Score	Current Score	Target Score												
		Critical				High				Medium				Low																				
30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1					
R653	There is a risk that the programme do not mobilise test environments or harnesses in support of Non-SIT LDSO QT																													Score reduced from 16 to 12	<ol style="list-style-type: none"> <li>Discussions held with DIP and DIP are working towards a DIP UIT environment being available by 1 August 2024.</li> <li>LDP has delivery plan for delivery of test harnesses which they are confident in. Conversations ongoing on incorporating Helix into scope (<b>Key reason for the current score reducing</b>)</li> </ol>			
R276	There is risk of Exelon BSC and/or RECCo having limited capacity to manage the volume of Participants going through Qualification testing at any one time																													New item	<ol style="list-style-type: none"> <li>Code Bodies are asking PPs to submit a pre-qualification submission which will be used to allocate waves so that the Code Bodies have a view through Qualification and can adjust resourcing levels as needed to support this.</li> <li>Once PQS responses have been received, Code Bodies will review any potential capacity constraints that they may have and make adjustments, where reasonably possible, so as to avoid the need to move non-SIT parties into later Qualification Waves</li> </ol>			
R332	Suppliers may require maximum amount of time to complete their DBT, resulting in backlog in final waves of Qualification																													Score remains at 15	<ol style="list-style-type: none"> <li>Initial assessment of Qualification Wave preferences undertaken by PPC.</li> <li>Code Bodies have asked Non-SIT Suppliers and Agents to provide a Pre-Qualification Submission by 26 April. This will provide a view on supplier's plans for Qualification and preferred Qualification Wave. Once this information is received then Code Bodies will review any potential capacity constraints and make adjustments,, to allow them to manage participant's preferred Qualification Wave. This information will also be made available to the Programme so that it can understand the impact of supplier's plans on their Migration start dates.</li> </ol>			
R532	There is a risk that SIT participants will need to execute additional Qualification Testing to qualify																													New item	<ol style="list-style-type: none"> <li>Code Bodies have sent Batch 2 of test cases. SI Test team have activities agreed to review.</li> <li>Code Bodies have sent set of potential requirement coverage gaps to SI Test team. This will be reviewed once ADO enhanced with traceability automation.</li> <li>Programme has sent request to Code Bodies to clarify PIT approach to mitigate this risk</li> <li>Need to progress discussion between Programme SIT team, Non-SIT LDSO team and Code Bodies to mitigate this risk for SSEN and BUUK.</li> </ol>			
R695	Code Bodies will not be ready to complete Supplier and Agent Qualification in time for waves (time)																													Score reduced from 19 to 15	<ol style="list-style-type: none"> <li>Code Bodies have published qualification document that sets out a clear plan for required activities and associated documentation on qualification requirements (e.g. QA&amp;P v2 (including Annex 1 and 2 on testing approach), QAD v1 and REC and BSC assessment criteria</li> <li>Dates from the approved QA&amp;Pv2 to be included in the Programme Plan via CR47 and CR48 and Code Body activity is currently tracking to these dates.</li> <li>Code Bodies reporting progress on Qualification activities to MHH Programme (inc PSG, QAG and Programme Project Board).</li> <li>Detailed plan being developed by Code Bodies and shared with MHH Programme for review.</li> </ol>			

# AOB

**DISCUSSION:** Participants to raise any queries on Qualification

*Chair*

*5 mins*

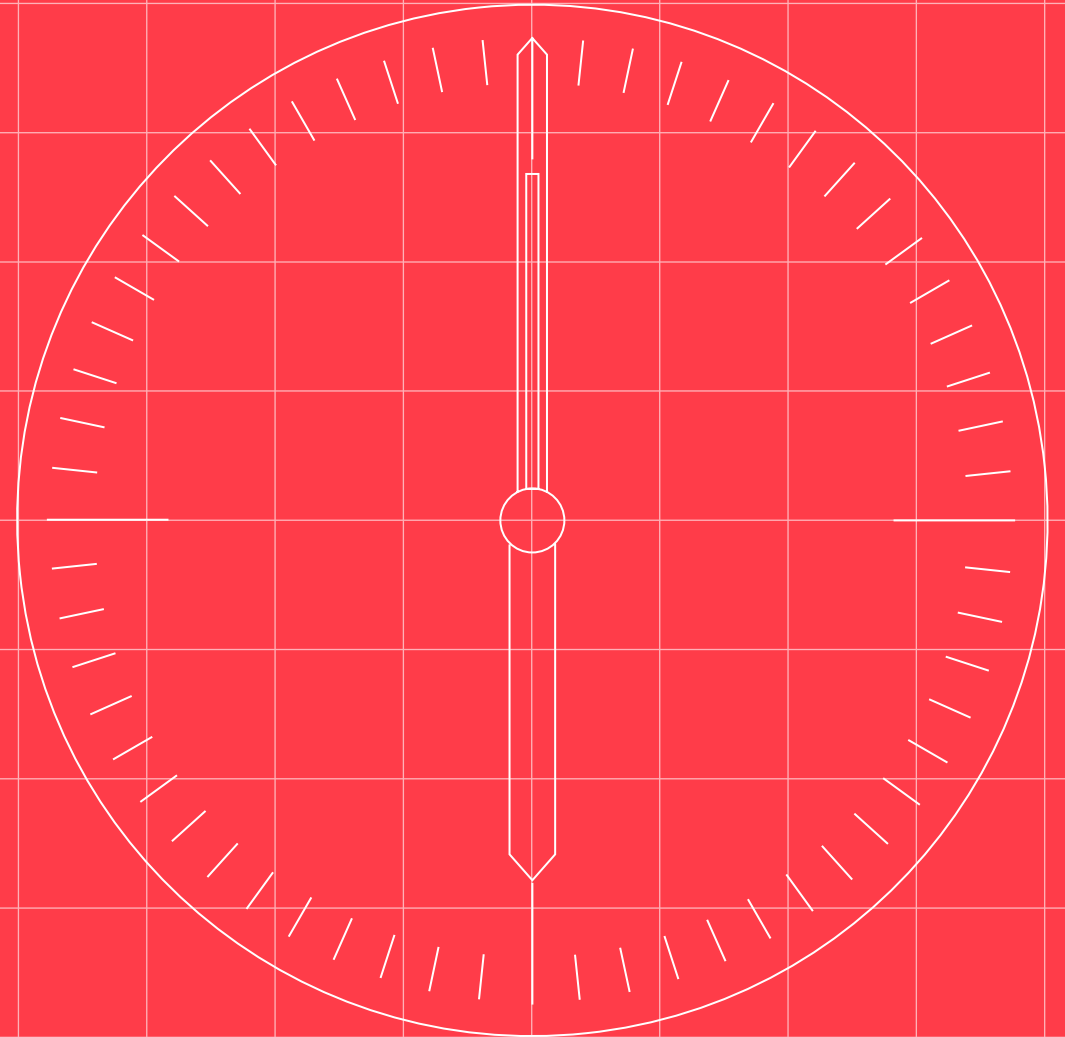


# Summary and next steps

**INFORMATION:** Summarise actions and agree any agenda items for next meeting

*Secretariat*

*5 mins*



## Summary and next steps

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### Next steps:

1. Confirm actions from meeting
2. Date of the next QWG: **Tuesday 14 May 2024**
3. Date of the next regular QAG: **Thursday 23 May 2024**