



Industry-led, Elexon facilitated

Qualification Advisory Group (QAG) #05

20 June 2024

Version 2.0

MHHS-DEL2772

Document Classification: Public

Agenda (1/2)

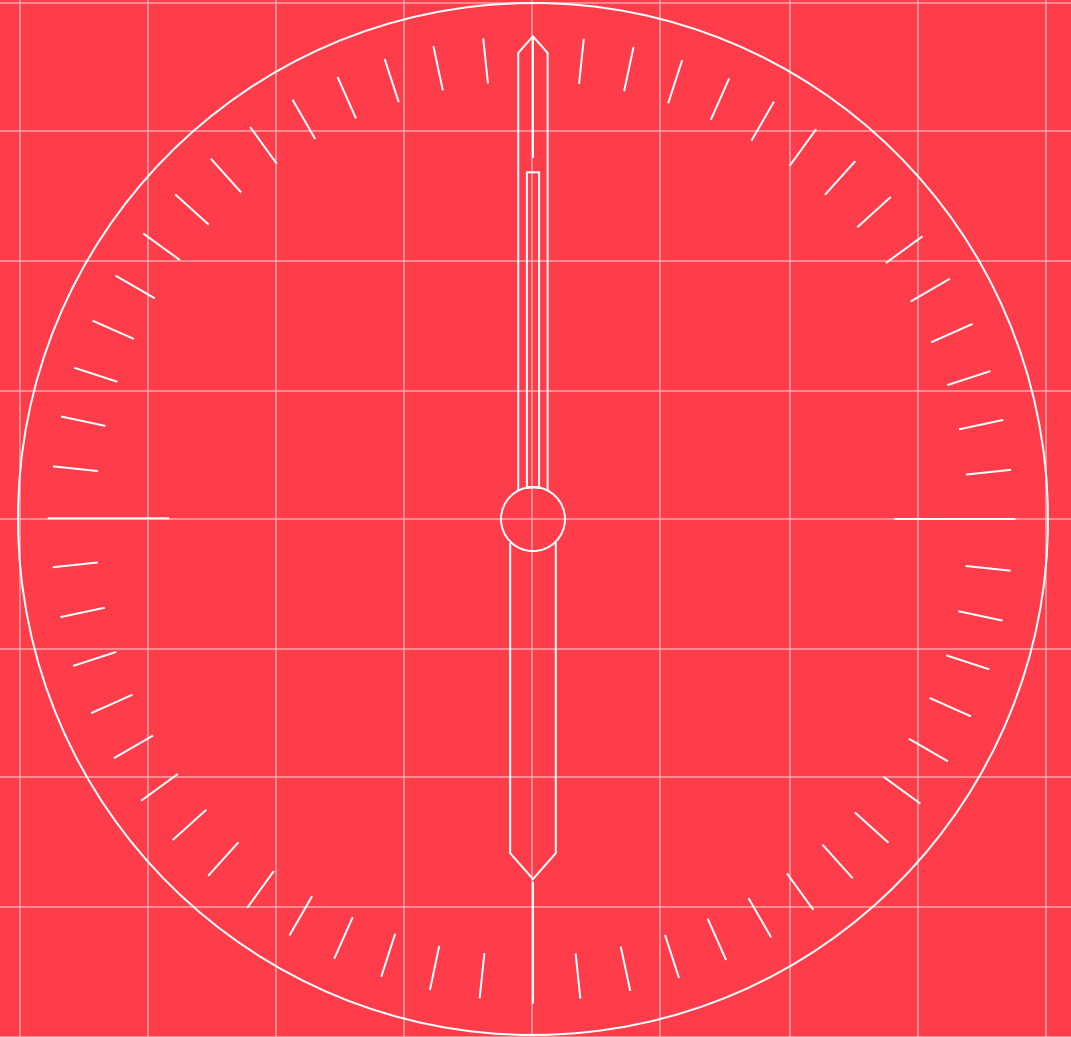
#	Item	Objective	Type	Lead	Time	Page
1	Welcome and Introduction			Chair	10:00-10:05 5 mins	1
2	Headline Report and Actions	Approval of Headline Report of previous meeting and review of outstanding actions	Decision	Chair & Secretariat	10:05-10:15 10 mins	3
3	Programme Updates	Receive overview of MHHS governance groups and relevant Programme updates	Information	Secretariat	10:15-10:15 0 mins	5
4	Supplier Requests for Specific Exemptions from MHHS Qualification	Update on Supplier requests for specific exemptions from MHHS Qualification	Information/ Decision	BSC (Sarah Ross & Vaishnavi Sharma)	10:15-10:25 10 mins	9
5	Sandbox Development	<ul style="list-style-type: none"> Recommendation to approve date changes on Programme Plan Provide an update on the Sandbox guidance development 	Decision/ Discussion	Programme (Stuart Scott)	10:25-10:30 5 mins	21
6	Environments Approach & Plan	Provide an update on Environments Approach & Plan	Information	Programme (Simon Berry)	10:30-10:35 5 mins	25
7	Updates from QWG	Provide an update on June QWG	Information	Code Bodies (George Player)	10:35-10:40 5 mins	27
8	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"> Milestones for QAG to decide on 	Information / Decision	Programme (Nicola Farley) Code Bodies (Laura Kennedy)	10:40-10:45 5 mins	29
9	Top Programme Risks Related to QAG	QAG awareness of the key RAID items impacting the QAG	Information	Chair	10:45-10:50 5 mins	36
10	AOB	Participants to raise any queries on Qualification	Discussion	Chair	10:50-10:55 5 mins	39
11	Summary and Next Steps	Summarise actions and agree any agenda items for next meeting	Information	Secretariat	10:55-11:00 5 mins	40
	Attachments	Attachment 1 - 2037-B - Exemption from MHHS Requirements for Smart Market Segment Supplier Qualification - Modification Proposal Form				

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 [14 May 2024](#).
2. **Review outstanding actions** (actions will be discussed by exception. Please review the action updates ahead of the meeting)

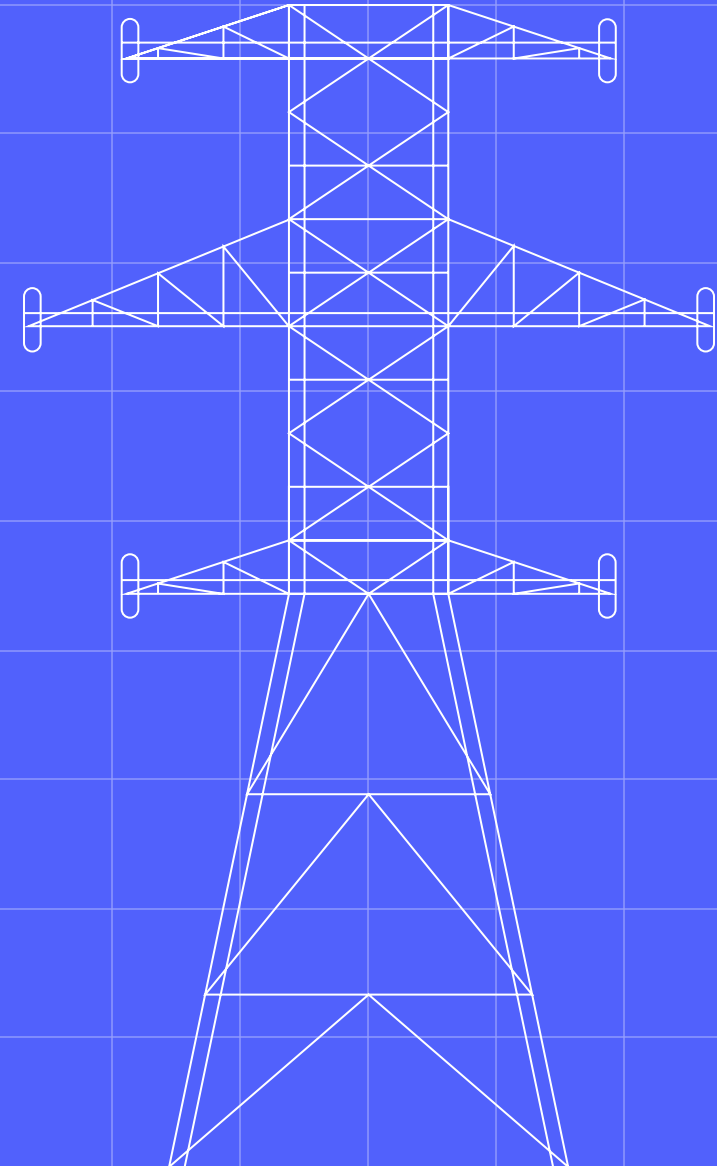
Ref	Action	Owner	Due	Latest Update
QAG02-01	IPA to consider providing improved visibility of progress on assurance recommendations	IPA (Taylor Thorpe)	15/05/2024	ONGOING: IPA will be providing visibility of all high priority agreed actions. Then at the end of each reporting period they will share the full list and status of agreed actions.
QAG03-03	Programme to include existing Programme RAID items relating the commencement/completion of future SIT within future QAG meeting papers given the dependencies with qualification	Programme (Lee Cox)	15/05/2024	RECOMMEND CLOSED: RAID slides relating to future SIT completion are included in this meeting pack.
QAG04-01	PMO to identify any potential clashes with the Qualification Sub-Groups and existing Working Groups.	PMO	29/05/24	RECOMMEND CLOSED: PMO has checked a forward view for any future clashes.
QAG04-02	Participants to make PMO aware if they (or members of their constituencies) have not been invited to the relevant Qualification Sub-Group.	Participants	29/05/24	RECOMMEND CLOSED: Participants are engaging with PMO to join any sub-groups.
QAG04-03	Bullet point "Support the LDSO programme participants with technical queries by enabling more detailed discussions specific to the Non-SIT LDSO Qualification Testing." to be added to S&A ToR.	Code Bodies (Laura Kennedy)	29/05/24	RECOMMEND CLOSED: S&A ToR amended, and ToR agreed at June's SAQTSG.

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 05 June 2024

CR044: Decision made on rejection of CR044 following engagement with participants. CR to be handed over to the Code Bodies for implementation post-M10 owing to feedback from participants that pre-M10 implementation is not feasible.

Programme Reporting: Overview of testing progress and upcoming SIT Migration start.

Core Capability Provider Deep Dive: Detailed updates provided by Helix, DIP, RECCo, DCC, ElectraLink, St Clements, DNOs and iDNOs. General positive trajectory with discussion around risks and their mitigation. See meeting papers for further information.

Pre-Qualification Submission Update: Summary of PQS outcomes and information on Qualification Testing wave allocation and
PSG papers available [here](#).

Design Advisory Group (DAG)

DAG 08 May 2024

CR044 & CR045: DAG received updates on the outcome discussions at the PSG, following escalation from the DAG owing to challenges expressed by participants over implementation pre-M10.

CR050: DAG were advised CR050 (*Changes to the MHHS Change Control Approach and From*) would now be issued for full Impact Assessment following Ofgem's decision that the CR should be subject to their approval.

Future DAG meetings: DAG agreed that, owing to the limited content expected for the next meeting, updates should be provided by correspondence and the meeting stood down (subject to there being no substantive items to discuss).

DAG papers available [here](#).

Cross Code Advisory Group (CCAG)

CCAG 22 May 2024

Horizon Scanning Log: DCUSA provided updates on DCP411, DCP428 & DCP433. REC provided updates on R0080, R148, R0150, R0167. CUSC added The working groups have continued for DCP430 and DCP431. The timeline for mods, which are to be submitted to Ofgem 28 June. The Working Group and ESO would like to ensure there is a robust solution in place. No new updates from BSC.

M6 Reporting Risks & Milestones: The Chair, acting with delegated authority of the MHHS Senior Responsible Owner (SRO), approved the M6 Success Criteria.

CDWG Escalations: The Chair, acting with delegated authority of the MHHS Senior Responsible Owner (SRO), approved the translated Mop-up Code.

CCAG papers available [here](#).

Wider Programme Updates

Participant Checklist:

- 1.REMINDER: Non-Systems Integration Testing (SIT) Supplier & Agent Qualification Testing Migration Test Scenarios and Test Cases – the deadline is **Friday 14 June 2024**
- 2.SIT Functional Test Scenarios and Test Cases: Cycle 2 and Interim Release 7 – the deadline is **Friday 14 June 2024**
- 3.REMINDER: Non-SIT Licensed Distribution System Operator (LDSO) Non-Functional and Operational Pre-Integration Testing (PIT) Approach and Plan – the initial deadline is **Friday 14 June 2024**
- 4.SIT Non-Functional Theme 3 Industry Review – the deadline is **Monday 17 June 2024**
- 5.Non-SIT Supplier & Agent Test Data Approach & Plan – the deadline is **Friday 21 June 2024**
- 6.NEW! Change Request CR045 Programme Participant Information Request (PPIR) – the deadline is **Monday 24 June 2024**
- 7.REMINDER: Non-SIT LDSO Qualification Testing Approach & Plan Template - Functional and Migration – the deadline is **Friday 28 June 2024**
- 8.REMINDER: Ofgem Programme Participant Information Request (PPIR) – the deadline is **Friday 5 July 2024**
- 9.Design Interim Release 8.1 Artefacts are being published today

The next few items relate to Qualification:

- 10.Qualification Wave Allocation
 - 11.Customer Appointed Agents
 - 12.Pre-Qualification Submission next steps
 - 13.Requirements to Test Traceability Matrix (RTTM) Templates
- You can view the **Participant Checklist** on the respective **Planning pages** of the [Collaboration Base](#) and the [MHHS website](#). In the Participant Checklist you can view upcoming consultations and key deliverables, as well as the latest status of Change Requests in the **Master Change Request Dashboard** tab.

We've created the **Interim Release and Swagger version alignment document** for SIT participants. You can view this document on the respective **SIT pages** of the [Collaboration Base](#) and [MHHS website](#).

Programme News

The start of the next phase of Systems Integration Testing (SIT) has been deferred by one week. The additional time provides an opportunity for the Programme and SIT participants to work through the actions stemming from the SIT Functional Cycle 1 retrospective session that took place on Wednesday 29 May.

Upcoming Governance Meetings:

- Thursday 13 June 2024:** Non-Functional Testing Working Group (NFTWG)
- Monday 17 June 2024:** [Extraordinary Systems Integration Testing Advisory Group \(eSITAG\)](#)
- Tuesday 18 June 2024:** Code Drafting Working Group (CDWG)
- Wednesday 19 June 2024:** [SITAG](#)
- Thursday 20 June 2024:** [Qualification Advisory Group \(QAG\)](#)

Qualification Assessment Document (QAD) Portal Walkthrough Webinar: 18 June 2024: The Code Bodies are hosting a Qualification Assessment Document (QAD) Portal Walkthrough Webinar at 11:00-12:00 on Tuesday 18 June 2024. Please register for the webinar by completing this form by 17:00 on Monday 17 June 2024.

System Integration Testing Advisory Group (SITAG)*

SITAG 15 May 2024

At this meeting, the Senior Responsible Owner (SRO) approved:

The SIT Migration Test Scenarios & Test Cases Theme 2, excluding Industry Standing Data (ISD) updated tests

The SIT Migration Test Scenarios & Test Cases Theme 3, excluding the Theme 3 SIT-M-RM-COS-DfitVal Test Case

The Environments Approach & Plan v2.13 for publication

The addition/removal/renaming or change of baseline due dates of Tier 3 milestones as detailed in the SITAG 17 April 2023 meeting papers.

SITAG papers available [here](#).

Qualification Advisory Group (QAG)*

QAG 23 May 2024

The Chair, acting with delegated authority of the MHHS Senior Responsible Owner (SRO), approved:

- The Non-SIT LDSO Migration Test Scenarios and Tests Cases.
- The Non-SIT LDSO Test Data Plan and Approach and associated milestone.
- The Qualification Approach and Plan Annex 2
- The Functional QT Test Scenarios Batch 1 and 2.
- The Non-SIT LDSO Qualification Testing Sub-Group (LQTSG) ToR v0.1 and Non-SIT Supplier & Agent Qualification Testing Sub-Group (SAQTSG) ToR v0.2, with the caveat for potential changes
- Qapproved the Level 3 milestones

QAG papers available [here](#)

Migration & Cutover Advisory Group (MCAG)*

MCAG 04 June 2024

M10/M11 Cutover Plan: The Chair, acting with delegated authority of the SRO, approved the M10/M11 cutover plan v0.4 for publication can we also state this will be uplifted to V1.0

Programme Milestones: The Chair, acting with delegated authority of the SRO, approved the Data Cleanse Plan v2.1 for publication

Programme Risks: The Chair, acting with delegated authority of the SRO, approved the date change for milestone T3-MI-0032 and T3-MI-0500
MCAG papers available [here](#).

*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)
Upcoming deliverables	<ul style="list-style-type: none"> SIT Non-Functional and Operational Data approaches issued for industry consultation and awaiting feedback Data to be prepared and passed to DCC for processing - 25th April 	<ul style="list-style-type: none"> Environments Approach and Plan (Non-SIT LDSO) April SITAG Environments Approach and Plan (Settlement testing) Q2 SITAG 	<ul style="list-style-type: none"> SIT Functional Test Themes 6,7,9 (January TMAG) SIT Functional Test Themes 8 (February TMAG) 	<ul style="list-style-type: none"> N/A
Latest meeting's agenda items	06 June 2024 <ul style="list-style-type: none"> Data Schedule Update Data Load Progress Data pre-requisites for SIT Functional Cycle 2 Migration Data Load Plan 	04 June 2024 <ul style="list-style-type: none"> Environments Approach and Plan SIT A Code Uplift Progress SIT B Onboarding Progress 	04 July 2024 <ul style="list-style-type: none"> NA 	13 June 2024 <ul style="list-style-type: none"> SIT Non-Functional Theme 1 - DIP/Helix Volume Testing NFTWG16-02 NFTWG16-03 Status of NF PIT Deliverables Survey on tooling dependencies for SIT NFT
Agenda items from last meeting	02 May 2024 <ul style="list-style-type: none"> Data Schedule Update Data Preparation status for - Cycle 2, Settlement and Migration SIT Settlement guidance SIT Migration guidance Sign off for SIT Non-Functional and SIT Operational MPAN Tracking 	07 May 2024 <ul style="list-style-type: none"> Testing POAP SIT B Onboarding Environments Approach and Plan document uplift 	06 June 2024 <ul style="list-style-type: none"> SIT Functional Progress SIT Migration Readiness Test Programme DITL Considerations Test Programme Improvements 	22 May 2024 <ul style="list-style-type: none"> Non-Functional Test Approach and Plan – SITAG Approval Update Tooling Dependencies Workshop Outcomes
L3 escalations	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)
Upcoming deliverables	Consult on Principle and process for: <ul style="list-style-type: none"> Developing and initialising the Migration Schedule Maintaining the Migration Schedule 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> M10/M11 Cutover Plan
Latest meeting's agenda items	11 July 2024 <ul style="list-style-type: none"> NA 	25 June 2024 <ul style="list-style-type: none"> NA 	12 June 2024 <ul style="list-style-type: none"> Early Life Support Model
Agenda items from last meeting	05 June 2024 <ul style="list-style-type: none"> Update to Migration Framework Foundation Artefacts Industry Migration Reporting Catalogue and Data Requirements Physical Formats and Submission Guidelines 	30 May 2024 <ul style="list-style-type: none"> Population of ESME ID, Domestic Premises Indicator, Meter Location and Number of Displayed Register Digits Data Cleanse Reporting General Clarifications 	16 May 2024 <ul style="list-style-type: none"> Early Life Model Support
L3 escalations	None	None	None

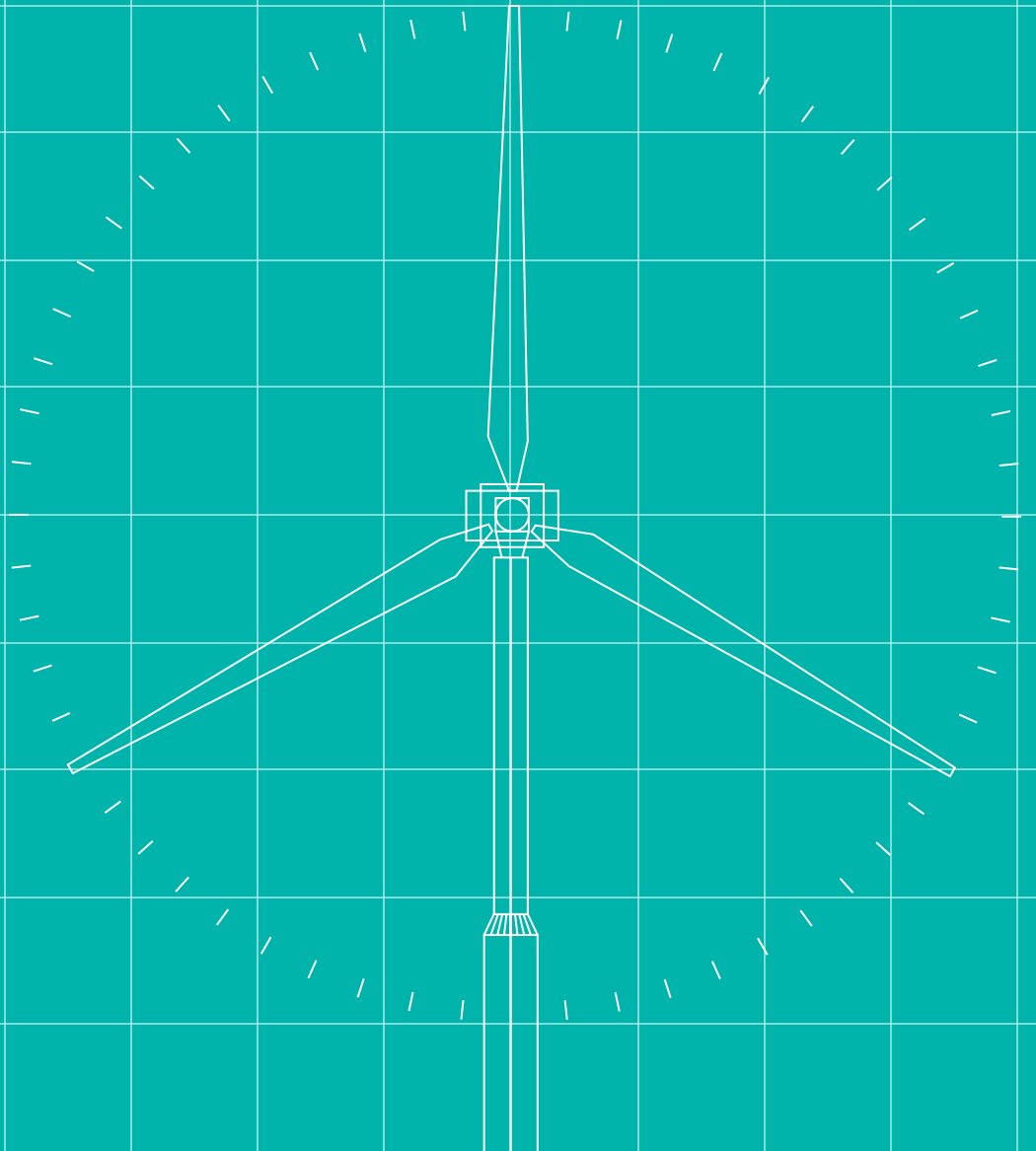
Qualification Advisory Group (QAG)*	
	Qualification and E2E Sandbox Working Group (QWG)
Upcoming deliverables	<ul style="list-style-type: none"> N/A
Latest meeting's agenda items	09 July 2024 <ul style="list-style-type: none"> TBC
Agenda items from last meeting	11 June 2024 <ul style="list-style-type: none"> SIT Observations and Guidance Publication of Wave Allocation Update on Supplier Requests for Specific Exemptions from MHHS Qualification Qualification Artefacts and Plan Update- Current Status and Next Steps Summary of QT Groups Sandbox Update
L3 escalations	None

Supplier Requests for Specific Exemptions from MHHS Qualification

INFORMATION/DECISION:

Code Bodies (Sarah Ross and Vaishnavi Sharma)

10 mins

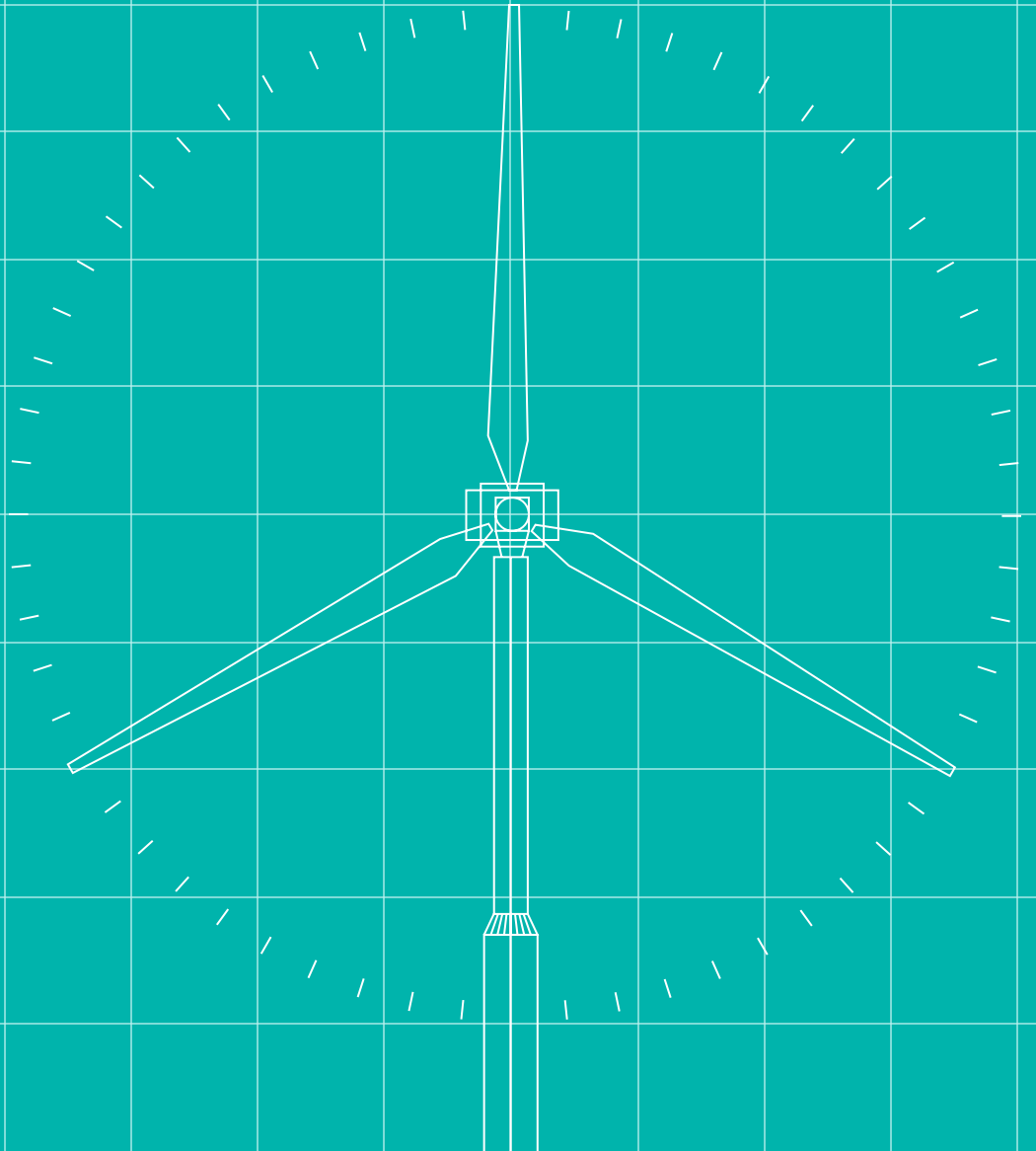


Some Supplier organisations have reached out to seek exemption from MHHS requirements where the Supplier neither operates nor intends to operate certain type of Meter Points. From queries currently received by the Code Bodies, the requests can be categorised as one of the following:

Supplier category	Exemption requested
<p>Industrial & Commercial (I&C) Suppliers who:</p> <ul style="list-style-type: none"> • are currently qualified as half-hourly (HH) -only Suppliers; • hold a Non-Domestic only Supply Licence; • are not registered with DCC to operate DCC-enrolled Smart Meters; and • operate and intend to continue operating a portfolio of Advanced meters only 	<p>They are seeking exemption from MHHS requirements for Suppliers relating to the Smart Market Segment.</p>
<p>Suppliers who:</p> <ul style="list-style-type: none"> • Do not operate or intend to operate a Prepayment portfolio 	<p>They are seeking exemption from MHHS requirements for Suppliers relating to Prepayment.</p>
<p>Suppliers who:</p> <ul style="list-style-type: none"> • Do not operate or intend to operate an Export portfolio 	<p>They are seeking exemption from MHHS requirements for Suppliers relating to Export.</p>

Request 1:

Exemption from MHHS Requirements for Smart Market Segment



Request 1: Exemption from MHHS Requirements for Smart Market Segment

Proposed Solution: Elexon and the REC Code Manager recommend allowing an exemption at a legal entity level from Smart Market Segment requirements by following the process;

Preventative – Eligibility Criteria

- All meters within the Supplier portfolio must only have the following meter types in line with Entity M7– N, K, LAG_, LEAD_,MAIN_ CHECK, NCAMR, RCAMR, RCAMY or H. This will be verified by Code Bodies.
- The Supplier has not become a DCC User. This will be verified by Code Bodies.
- The Supplier must be willing to accept limit that they propose on total portfolio size to allow effective operational controls which will be applied through REC Controlled Market Entry.

Preventative – Qualification Process in Qualification Assessment Document

- Demonstrate the processes and controls the Supplier will operate to ensure they do not acquire any Meter Points other than those within the Advanced Market Segment.
- Demonstrate how the Supplier will monitor they remain compliant with the exemption conditions.
- Demonstrate how they would deal with gaining sites within the exempt market segment or where sites within their portfolio need to go through change in market segment.

Preventative Controls

- Propose changes to CSS to prevent a Supplier with exemption in place from registering meter points other than those within the Advanced Market Segment.
- Within the QAD, the Company Director of the Supplier must assert that they will notify Elexon and the REC Code Manager Market Entry teams and complete Qualification for Market Segments they sought an exemption from before they register or operate any Metering Points of that segment.
- The Supplier must notify Elexon and the REC Code Manager when they are applying to become a DCC User to operate Smart segment meters.

Deployment of these Performance Assurance Techniques will need ongoing collaboration between BSC and REC PAB.

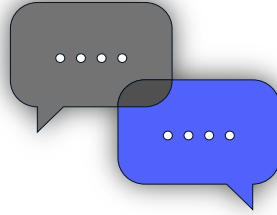
Detective Assurance

- Code Bodies to actively monitor portfolios of Suppliers who have exemptions in place, to ensure they do not breach the conditions of their Qualification.
- Where a breach is identified by either Code, there will be a cross code notification and the Supplier will need to remediate the Breach.
- Both Code Bodies will apply Performance Assurance Techniques (PATs).
- These Suppliers will be eligible for Re-Qualification, Renewal of Qualification, BSC Audit, Technical Assurance of Performance Assurance Parties (TAPAP) & Assurance Information Requests (AIR) to address specific risk
- REC Code Manger will continue to apply PATs in line with the Performance Assurance Framework (PAF) such as Action Plan, Management Assertion, Specific Condition,

Incentive Assurance

- REC Code Manger will apply PATs based on observations from the periodic risk monitoring activity.
 - This would include issue of an Action Plan requiring the Party to remediate the breach or complete Qualification as per the timescales set out.
 - Further failure to return to compliance could result in the application of escalation PATs with approval from REC PAB, such as Specific Condition PAT (e.g. limiting or removing access to REC Services), Referral to Ofgem or triggering an Event of Default as appropriate.
- Breach of any material provision of the BSC that is capable of remedy under the BSC Section H
- The BSC Party will be notified that it is in breach of BSC. After 14 days, if the BSC Party has failed to remedy the breach or submit a plan for remedy, the BSC Party will trigger an Event of Default and be reported to the BSC Panel. The BSC Panel can then apply the above provisions;
 - Notifying each other Party of such Default
 - Suspending the right of the Party to submit
 - Energy Contract Volume Notifications
 - Metered Volume Reallocation Notifications
 - Bid-Offer Pairs
 - With the prior approval of the Authority, the right to register further Metering Systems and BM Units
 - Expelling the Party from the BSC in accordance with Section A5

In order to deliver this solution, a Modification is needed to the BSC in order to grant exemptions requests to be considered by the BSC PAB for the Smart Market segment under Section J of the BSC. For clarity there is no Modification needed to the REC.



- Legal review for both Codes
- QWG – 11 June 2024
- QAG endorsement – 20 June 2024
- REC PAB endorsement – 25 June 2024
- Taken to June BSC PAB on 3 July 2024 to request the BSC Panel raise a Direct BSC Modification at its meeting on 11 July 2024 (without working group)
- Industry Consultation for 10 WD
- Panel approval for Final Mod sent to Ofgem decision
- Ofgem approval – October 2024
- Implementation subject to approval – November 2024
- Qualification artefact updates including Qualification Assessment Document
- Qualification Approach & Plan Appendix D to cover the Eligibility criteria, Preventative and Detective Performance Assurance Technique process
- Testing Documentation updates including Test scenarios to exclude Smart meter segment
- List of Qualified Parties to maintain the exemption list.
- For REC Controlled Market Entry Cap of 0 to be applied on exempt market segment

Current guidance is to proceed with submissions based on the current position of no market segment exemption other than UMS. If the Modification is approved, Code Bodies will feedback to QWG the exemption application process.

Code Bodies will propose changes to Central Switching Service (CSS) to be considered within the relevant governance forum which will help facilitate a systemised control to prevent Suppliers for registering Meter Points they are not qualified to operate.

This will bolster the assurance for exemptions and reduce reliance on monitoring activities to detect breaches.

This Change may also impact how Industry Standing Data is structured and consumed in order for CSS to determine the list of Suppliers who can register sites of a particular market segment.

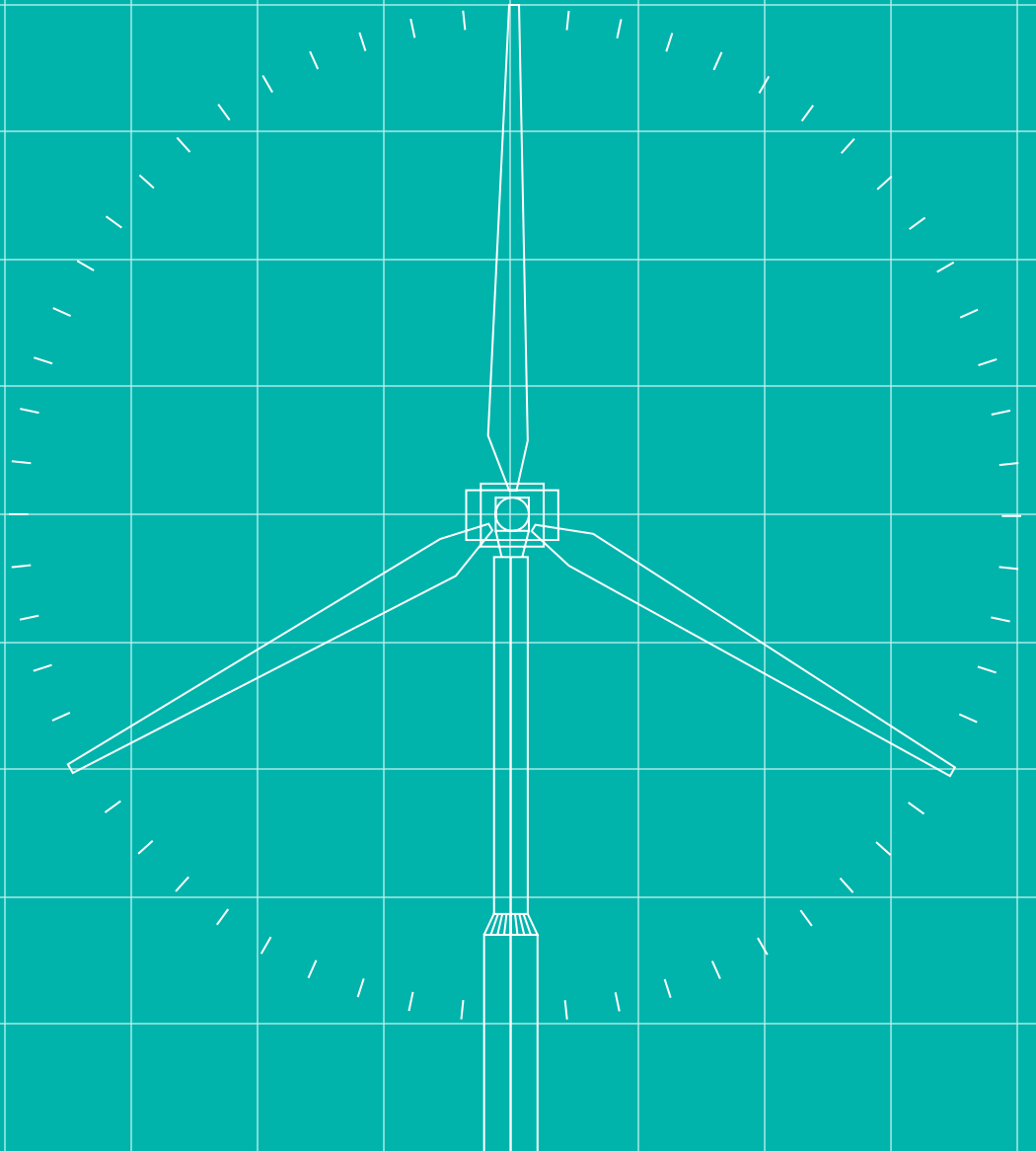
Whilst this will not be effective within the timescales for MHHS Programme due to the current Technical Change Freeze but it enables exemptions to be futureproofed and adaptive to future developments in the marketplace.

DECISION [19]

QAG to endorse the BSC Modification: 2037-B 'Exemption from MHHS Requirements for Smart Market Segment Supplier Qualification'

Request 2:

Exemption from MHHS Requirements for Prepayment



Request 2: Exemption from MHHS Requirements for Prepayment

Exemption request from Suppliers who do not operate or intend to operate a Prepayment portfolio, seeking exemption from MHHS requirements for Suppliers relating to Prepayment.

For MHHS Qualification, if Suppliers were allowed to seek an exemption from demonstrating they can meet the requirements for Prepayment, the following risks may manifest during live operations:

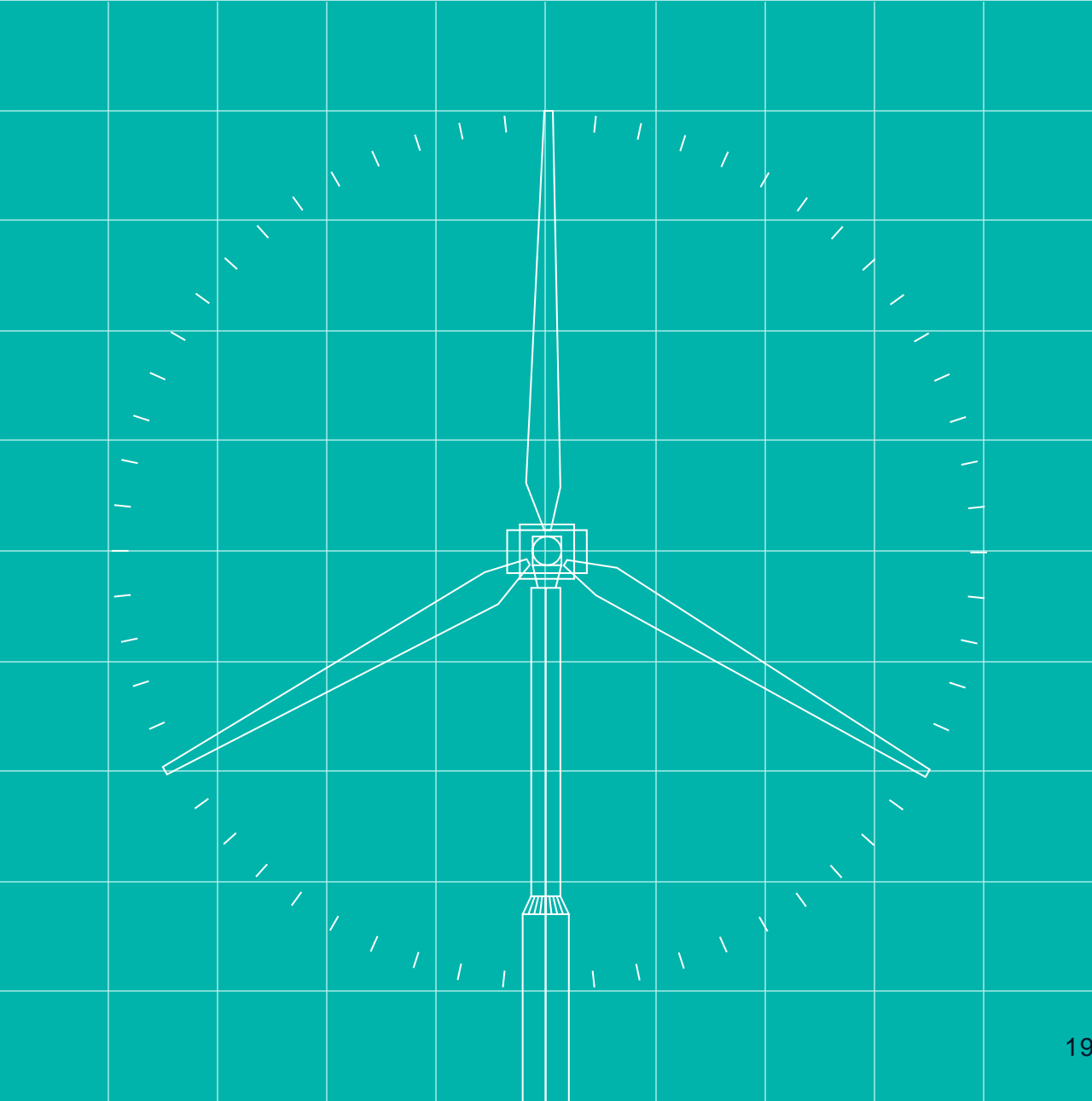
#	Risk
1	Supplier may have or may gain Metering Points with Prepayment meters as part of a large customer portfolio
2	Exemption for MHHS Qualification will not make the Supplier exempt from wider requirements for Prepayment within the Codes and/or the Licence Conditions, thus increasing the risk of wider non-compliance where the Supplier assumes the MHHS Qualification exemption applies to all Code obligations.
3	Inaccurate reporting as a result of Smart Meters switching between Credit and Prepayment mode.

Next Steps

Elexon and the REC Code Manager recommend to the respective PABs at their June meetings that we do not offer Suppliers the opportunity to apply for exemptions from Prepayment requirements for MHHS Qualification as this is not likely to deliver any tangible benefits, but rather introduce more complexity on how Supplier Qualification is managed.

Request 3:

Exemption from MHHS Requirements for Export



Request 3: Exemption from MHHS Requirements for Export

Exemption request from Suppliers who do not operate or intend to operate an **Export** portfolio, seeking exemption from MHHS requirements for Suppliers relating to Export.

For MHHS Qualification, if Suppliers were allowed to seek an exemption from demonstrating they can meet the requirements for Prepayment, the following risks may manifest during live operations:

#	Risk
1	Supplier may have or may gain Metering Points with Export meters as part of a large customer portfolio
2	Exemption for MHHS Qualification will not make the Supplier exempt from wider requirements for Export within the Codes and/or the Licence Conditions, thus increasing the risk of wider non-compliance where the Supplier assumes the MHHS Qualification exemption applies to all Code obligations.

Elxon and the REC Code Manager recommend to the respective PABs at their June meetings that we do not offer Suppliers the opportunity to apply for exemptions from Export requirements for MHHS Qualification as this is not likely to deliver any tangible benefits, but rather introduce more complexity on how Supplier Qualification is managed.

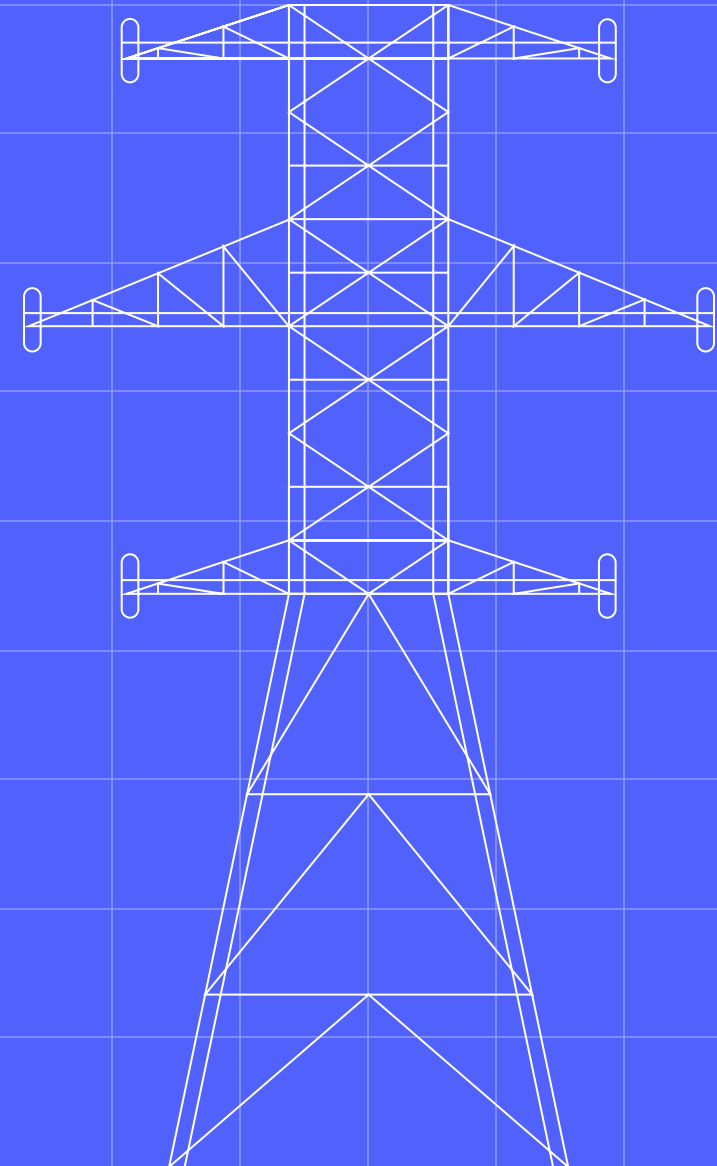
Sandbox Development

DECISION/DISCUSSION:

- Recommendation to approve date changes on Programme Plan
- Provide an update on the Sandbox guidance development

Programme (Stuart Scott)

5 mins



E2E Sandbox – Key Milestone Dates that require updating from MHHS Outline Plan

- Following recent discussions at QWG on the development of the approach for E2E Sandbox, the following Milestones listed within the MHHS Online Plan require an update to ensure they are all future dates and reflective of the discussed approach. Plus one additional L3 Milestone added, as there was no existing milestone for this agreed artefact that requires approval.
- In line with the change process guidelines, as all are Level 3 Milestones, these are presented to the Advisory Group for review and approval without the need for a CR, so that they can be updated within the MHHS Plan.

E2E Sandbox – Key Milestone Dates that require updating from MHHS Outline Plan

- This list was presented at QWG 11/6 and no objections were raised by members to presenting these to QAG for approval

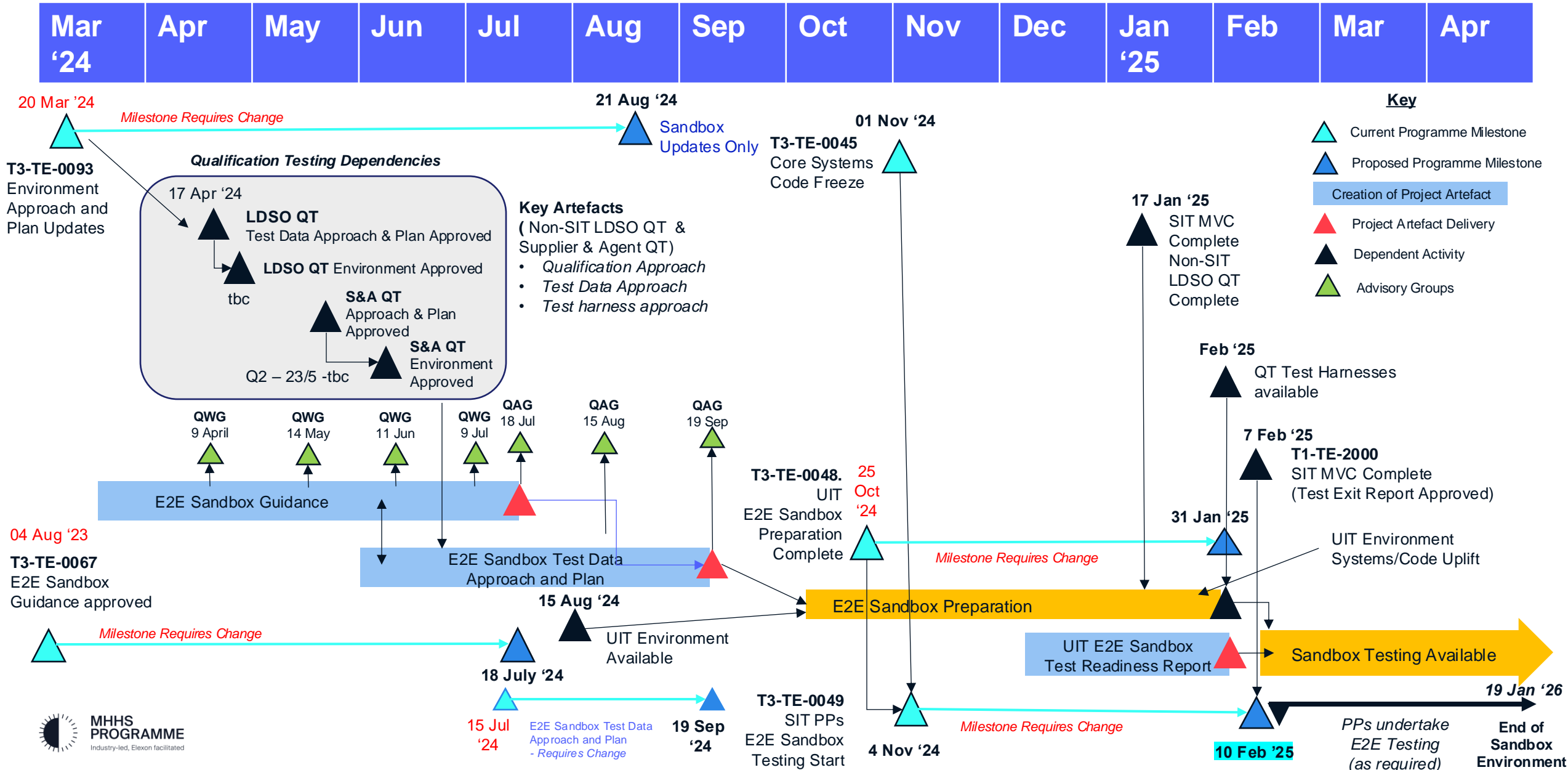
DECISION [20]

QAG to recommend to approve the update of delivery dates as per below in order to provide a more reflective and meaningful plan for delivery against.

Programme Plan Activity (inc. Milestone IDs)	Existing Milestone Date	Proposed Update to Milestone Date
T3-TE-0093 Environment Approach and Plan – Sandbox	21 Aug '24 <i>Previously Updated via QAG</i>	21 Aug '24
T3-TE-0067 E2E Sandbox Guidance approved	04 Aug '23	18 Jul '24
New Addition E2E Sandbox Test Data Approach and Plan approved	-	19 Sep '24
T3-TE-0048 UIT E2E Sandbox Preparation Complete	25 Oct '24	31 Jan '25
T3-TE-0049 SIT PPs E2E Sandbox Testing Start	4 Nov '24	10 Feb '25

E2E Sandbox Testing - Preparation

The Central Service environments and Test Harnesses approved for use in **Qualification** will drive what facilities are available for E2E Sandbox and is the key dependency.

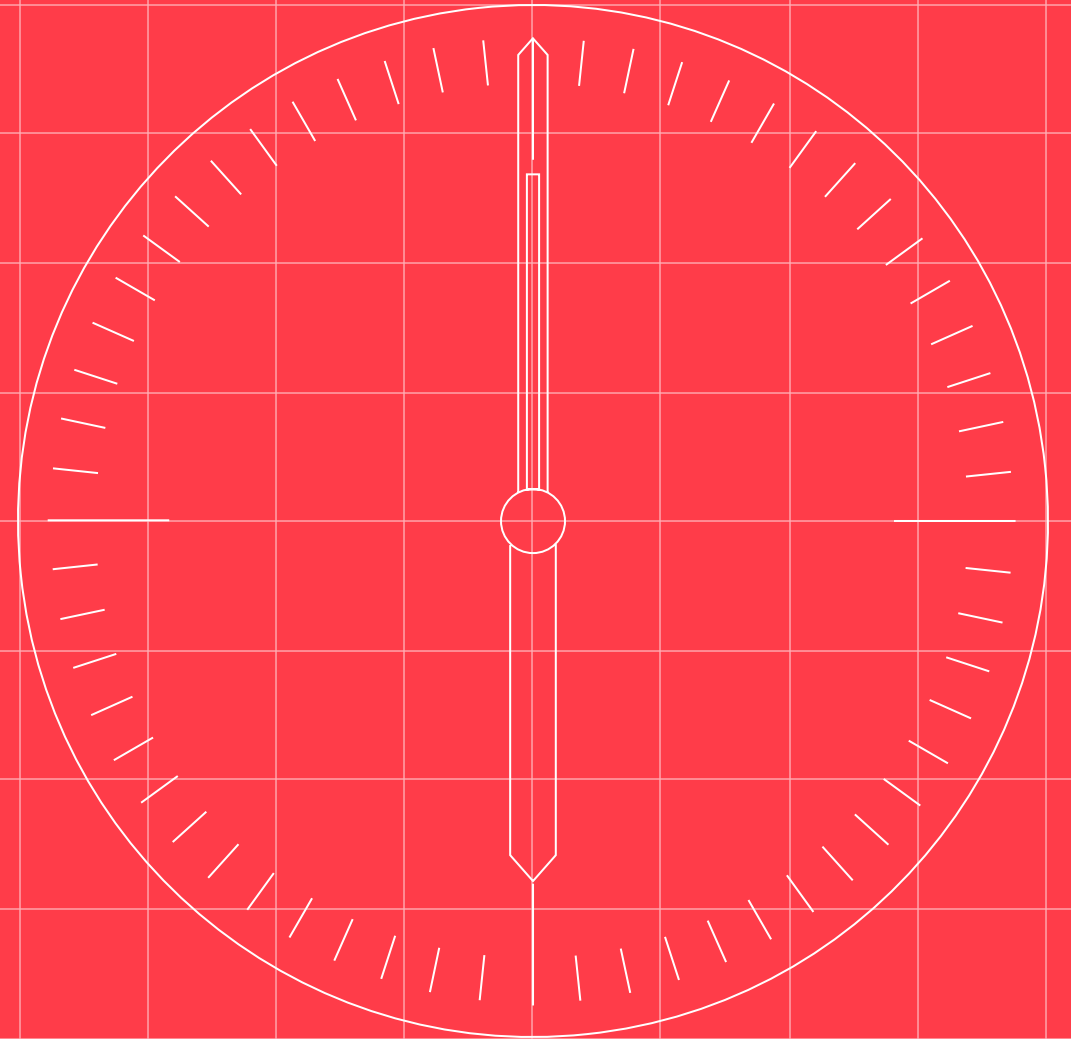


Environments Approach & Plan

INFORMATION: Provide an update on Environments
Approach & Plan

Programme (Simon Berry)

5 mins



Environments Approach & Plan, v3.0

- Version 2.15 of the Environments Approach & Plan document was issued for review on 29 May, with the review period closing on 7 June.
- This document covers the test environment architecture for;
 - Settlement Testing
 - Non-Functional Testing
 - Non-SIT Supplier & Agent Qualification Testing
 - Sandbox
- 46 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 v3.0.
- The updated document, with responses to comments has been uploaded to the Collaboration Base and PPs informed to advise if they have any fundamental issues with the document by midday 12 June. The document is intended to be approved at SITAG on 19 June.
- There are no further iterations of this document scheduled.

- 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.

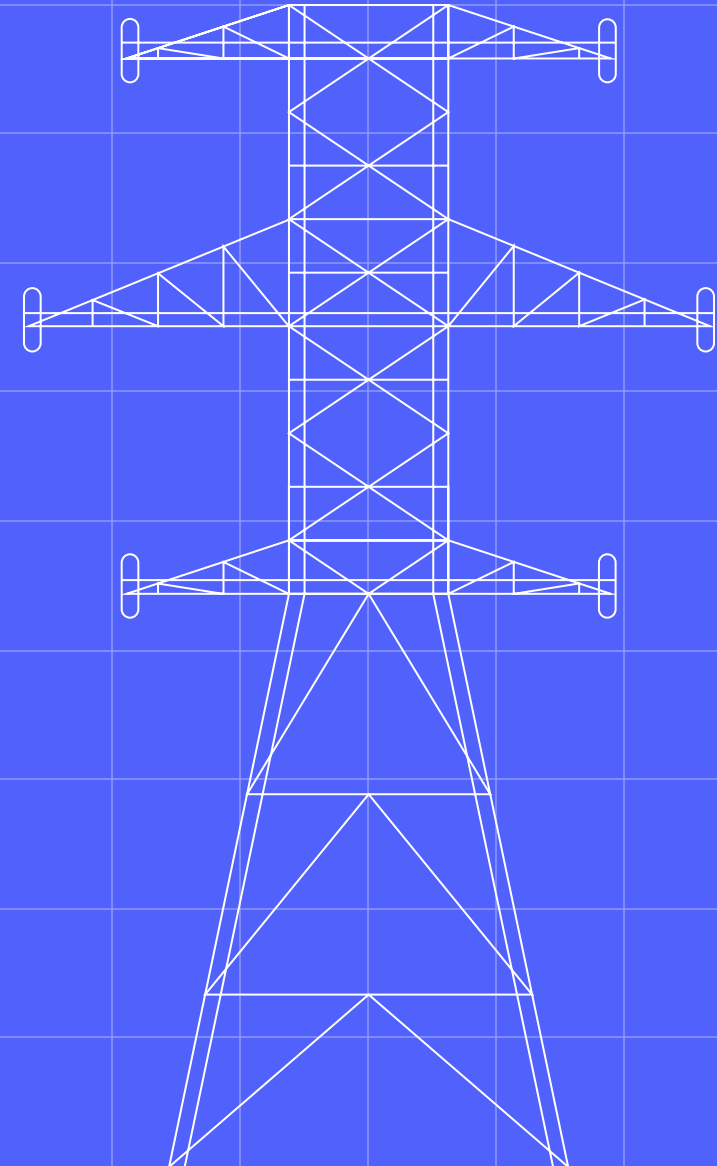
- A recommendation to SITAG on 19 June for the approval of v3.0 of the Environments Approach & Plan was approved.

Updates from QWG

INFORMATION: Provide an update on June QWG:

Code Bodies (George Player)

5 mins



This Month the QWG discussed:

- Participant Query on Publication of Wave Allocation
- Supplier Requests for Specific Exemptions from MHHS Qualification
- Qualification Artefacts and Plan

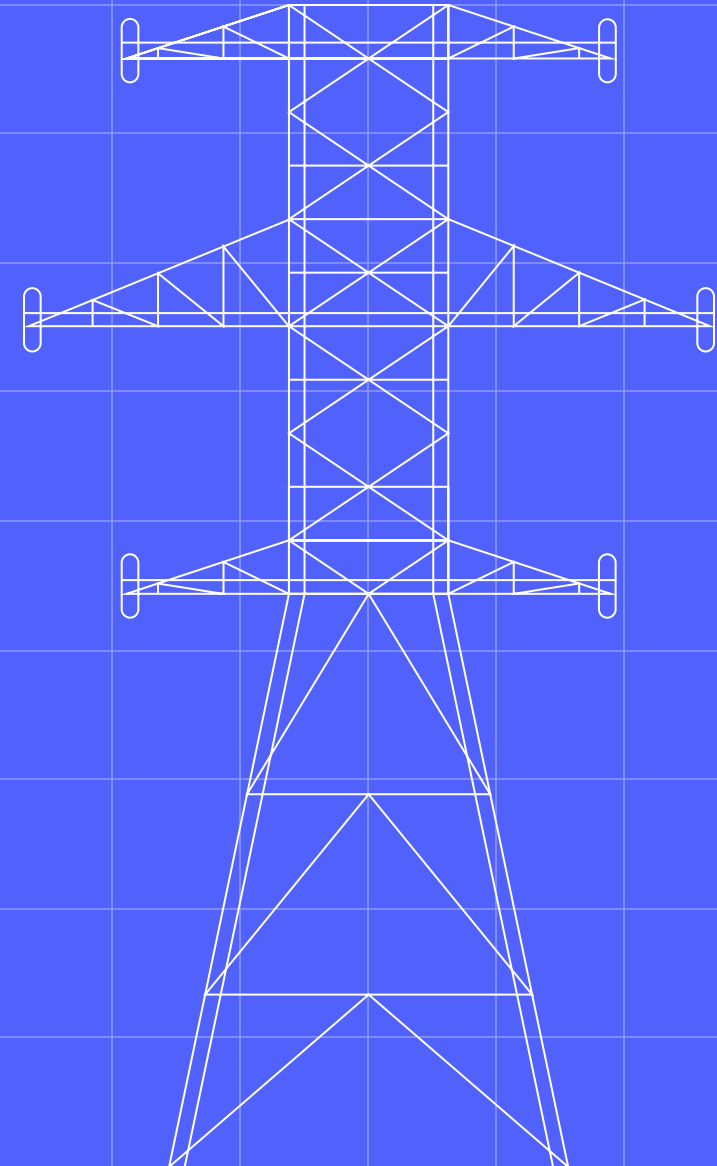
Programme Milestones related to QAG

INFORMATION/DECISION: Overview of upcoming Programme Milestones related to QAG and any milestone changes for approval:

- Milestones for QAG to decide on

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

5 mins



Look Ahead – Key Milestones Status at 12-June-24 (1)

To align to weekly 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 05/06/24	Current RAG 12/06/24	Forecast RAG 19/06/24	Commentary
T3-TE-0067	QAG	E2E Sandbox Guidance approved	Fri 04/08/23	Fri 18/07/24	SI Test	Red	Red	Red	Draft approach and plan view on Sandbox Guidance was presented and discussed at QWG on the 14th May and will also be presented and discussed at QAG on 20 th June. Proposed E2E Sandbox Guidance sign off 18th July QAG
T3-TE-0033	SITAG	SIT Participants' SIT B environments ready to start connectivity proving (incl. certificates and security compliance)	Fri 03/05/24	Wed 05/06/24	SI Test	Red	Blue	Grey	
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	Red	Red	Red	29/34 received
T3-DB-0149	SITAG	All SIT Migration PIT Completion Reports submitted to Programme for assurance	Fri 10/05/24	Fri 10/05/24	PP	Red	Blue	Grey	eSITAG approved on 3/6 subject to Work-off
T3-TE-0026	SITAG	SIT Non-Functional Testing Test Approach & Plan approved	Wed 15/05/24	Wed 15/05/24	SI Test	Red	Red	Red	Deferred from May SITAG Approval. Phase 1 tooling under investigation
T3-DB-0150	SITAG	All SIT Migration PIT Completion Reports MHHS Review Completed	Fri 24/05/24	Fri 24/05/24	SI Test	Red	Blue	Grey	eSITAG approved on 3/6 subject to Work-off
T3-DB-0153	SITAG	SIT Non-Functional PIT RTTM submitted to Programme for assurance	Thu 30/05/24	Thu 30/05/24	PP	Red	Red	Red	23/34 received
T3-DB-0155	SITAG	SIT Non-Functional PIT test scenarios submitted to Programme for assurance	Thu 30/05/24	Thu 30/05/24	PP	Red	Red	Red	18/34 received
T3-TE-0080	SITAG	Cycle 2 - PP's confirmation that test data is ready for SIT Functional	Fri 31/05/24	Fri 14/06/24	SI Test Data	Red	Red	Blue	Date missed because there are 3 separate data loads for each PP to complete. This is proving time consuming but is expected to complete by 14/6
T3-TE-0038	SITAG	SIT Migration Testing Start	Mon 10/06/24	Mon 17/06/24	SI Test	Yellow	Red	Blue	Date missed because MPRS data and code not ready. Decision deferred to 17/6
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	Green	Green	Blue	

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 12-June-24 (2)

To align to weekly 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 05/06/24	Current RAG 12/06/24	Forecast RAG 19/06/24	Commentary
T3-QU-0112	QAG (Non-SIT LDSO)	Test Data Cut Complete	Mon 17/06/24	Mon 17/06/24	Non-SIT LDSO	Green	Green	Blue	
T3-TE-0092	SITAG	Environment Approach and Plan - SIT Non Functional	Wed 19/06/24	Wed 19/06/24	SI Test	Green	Green	Blue	
T3-TE-0114	SITAG	SIT NFT Scenarios & Test Cases Approved - Theme 1	Wed 19/06/24	Wed 19/06/24	SI Test	Yellow	Yellow	Blue	At risk because deferment of NF test approach and plan
T3-DB-0183	SITAG	DIP Simulator uplifted to align with Interim Release 8	Fri 21/06/24	Fri 21/06/24	SI DevOps	Green	Green	Green	
T3-QU-0012	QAG	Confirmation of participant Qualification Wave allocation	Fri 28/06/24	Fri 28/06/24	Code Bodies	Green	Green	Green	
T3-DB-0152	SITAG	SIT Non-Functional Test approach and plan MHHS Review Completed	Thu 04/07/24	Thu 04/07/24	SI Test	Green	Yellow	Yellow	At risk because not all test approach and plans received
T3-DB-0161	SITAG	SIT Operational PIT RTTM submitted to Programme for assurance	Thu 04/07/24	Thu 04/07/24	PP	Green	Green	Green	
T3-DB-0163	SITAG	SIT Operational PIT test scenarios submitted to Programme for assurance	Thu 04/07/24	Thu 04/07/24	PP	Green	Green	Green	
T3-DB-0154	SITAG	SIT Non-Functional RTTM MHHS Review Completed	Thu 11/07/24	Thu 11/07/24	SI Test	Yellow	Yellow	Yellow	At risk due to late delivery of RTTMs



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 12-June-24 (3)

To align to weekly 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 05/06/24	Current RAG 12/06/24	Forecast RAG 19/06/24	Commentary
T3-DB-0156	SITAG	SIT Non-Functional Test scenarios MHHS Review Completed	Thu 11/07/24	Thu 11/07/24	SI Test	Yellow	Yellow	Yellow	At risk due to late delivery of PIT Test Scenarios
T3-TE-0120	SITAG/QAG	Environment Approach and Plan - S and A Testing	Wed 17/07/24	Wed 17/07/24	SI Test	Green	Green	Green	
T3-TE-0115	SITAG	SIT NFT Scenarios & Test Cases Approved - Theme 2	Wed 17/07/24	Wed 17/07/24	SI Test	Yellow	Yellow	Yellow	At risk because deferment of NF test approach and plan
T3-TE-0114	SITAG	SIT NFT Scenarios & Test Cases Approved - Theme 3	Wed 17/07/24	Wed 17/07/24	SI Test	Yellow	Yellow	Yellow	At risk because deferment of NF test approach and plan
T3-TE-0117	SITAG	SIT Operational Scenarios & Test Cases Approved - Theme 1	Wed 17/07/24	Wed 17/07/24	SI Test	Green	Green	Green	
T3-TE-0118	SITAG	SIT Operational Scenarios & Test Cases Approved - Theme 2	Wed 17/07/24	Wed 17/07/24	SI Test	Green	Green	Green	
T3-QU-0111	QAG (Non-SIT LDSO)	Agree Test Execution Timetable Format at QAG, Including Anonymisation Requirements	Thu 18/07/24	Thu 18/07/24	Code Bodies	Green	Green	Green	
T3-QU-0071	QAG (Non-SIT LDSO)	Test Scenarios & Cases - Non-Functional - Approved at QAG	Thu 18/07/24	Thu 18/07/24	Non-SIT LDSO	Yellow	Yellow	Yellow	At risk because Non-functional Testing still subject to discussion at approach level
T3-QU-0073	QAG (Non-SIT LDSO)	Test Scenarios & Cases - Operational - Approved at QAG	Thu 18/07/24	Thu 18/07/24	Non-SIT LDSO	Green	Green	Green	
T3-QU-0091	QAG	QAG Approval of QT Test Data Approach and Plan	Thu 18/07/24	Thu 18/07/24	Non-SIT S&A QT Test Team	Green	Green	Green	
TBC	QAG	QAG Approval of QT Migration Test Scenarios and Test Cases Batches 1	Thu 18/07/24	Thu 18/07/24	Non-SIT LDSO	Grey	Grey	Grey	Proposed new milestone to go to 20/6 QAG

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 12-June-24 (4)

To align to weekly 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 05/06/24	Current RAG 12/06/24	Forecast RAG 19/06/24	Commentary
T3-QU-0114	QAG (Non-SIT LDSO)	Test Plan Submission to MHHS Programme For Review	Fri 26/07/24	Fri 26/07/24	LDSO	On track	On track	On track	
T3-QU-0116	QAG (Non-SIT LDSO)	Interim Test Readiness Report Submission to MHHS Programme for Review	Fri 26/07/24	Fri 26/07/24	LDSO	On track	On track	On track	
T3-MI-0033	MCAG	MCAG Approval of Early Life Support Model	Tue 30/07/24	Tue 30/07/24	SI Transition	On track	At Risk	At Risk	Late because of input required from Code-Bodies - further update will be given when further discussions have been had with the Code Bodies
T3-DB-0157	SITAG	SIT Non-Functional PIT Completion Report submitted to Programme for assurance	Fri 02/08/24	Fri 02/08/24	PP	On track	On track	On track	
T3-MI-0017	MCAG	Migration Processes & Procedures approved	Fri 02/08/24	Fri 02/08/24	SRO	On track	On track	On track	
T3-QU-0009	QAG (Non-SIT LDSO)	Qualification Testing for Non-SIT LDSOs Participants' environments) Ready to start DIP onboarding (incl. certificates and security compliance)	Mon 05/08/24	Mon 05/08/24	Non-SIT LDSO	On track	On track	On track	
T3-DB-0160	SITAG	SIT Operational Test approach and plan MHHS Review Completed	Thu 08/08/24	Thu 08/08/24	SI Test	On track	On track	On track	
T3-QU-0008	QAG (Non-SIT LDSO)	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Test Execution Schedule Approved	Thu 15/08/24	Thu 15/08/24	Non-SIT LDSO	On track	On track	On track	
T3-DB-0162	SITAG	SIT Operational RTTM MHHS Review Completed	Thu 15/08/24	Thu 15/08/24	SI Test	On track	On track	On track	
T3-DB-0164	SITAG	SIT Operational Test scenarios MHHS Review Completed	Thu 15/08/24	Thu 15/08/24	SI Test	On track	On track	On track	
T3-DB-0158	SITAG	SIT Non-Functional PIT Completion Report MHHS Review Completed	Fri 16/08/24	Fri 16/08/24	SI Test	On track	On track	On track	
T3-MI-0024	MCAG	DCC to extract ESME ID and share with LDSO	Fri 16/08/24	Fri 16/08/24	DCC/SI	On track	On track	On track	



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 12-June-24 (5)

To align to weekly 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 05/06/24	Current RAG 12/06/24	Forecast RAG 19/06/24	Commentary
T3-TE-0081	SITAG	Cycle 3 - PP's confirmation that test data is ready for SIT Functional	Mon 19/08/24	Mon 19/08/24	SI Test Data				
T3-TE-0093	SITAG/QAG	Environment Approach and Plan - Sandbox	Wed 21/08/24	Wed 21/08/24	SI Test				
T3-TE-0114	SITAG	SIT Operational Scenarios & Test Cases Approved - Theme 3	Wed 21/08/24	Wed 21/08/24	SI Test				
T3-QU-0082	QAG	QAG Approval of Qualification Approach and Plan v4	Thu 22/08/24	Thu 22/08/24	Code Bodies				
T3-QU-0083	QAG	QAG Endorsement of Qualification Assessment Document v2	Thu 22/08/24	Thu 22/08/24	Code Bodies				
T3-TE-0044	QAG	Central Parties' UIT environments ready to start connectivity proving (incl. certificates and security compliance)	Fri 23/08/24	Fri 23/08/24	SI Test				
T3-RE-0550	CCAG	CCAG recommend final code to PSG for baselining	Fri 23/08/24	Wed 21/08/24	PP				
T1-RE-1000	PSG	Code changes baselined (M6)	Fri 23/08/24	Fri 23/08/24	CPT				
T2-TE-0700	SITAG	SIT Non-Functional Testing Preparation Complete	Mon 26/08/24	Mon 26/08/24	SI Test				At risk because deferment of NF test approach and plan
T3-QU-0080	QAG	Assessment Criteria (Functional, Non-Functional, Migration, Operational) Approved by REC PAB and BSC PAB	Thu 29/08/24	Thu 29/08/24	Code Bodies				
T3-QU-0068	QAG	Operational Testing elements of Qualification Approach & Plan v4 approved by REC PAB & BSC PAB	Thu 29/08/24	Thu 29/08/24	Code Bodies				
T3-QU-0062	QAG	Final Qualification Approach & Plan v4 approved by REC PAB & BSC PAB	Thu 29/08/24	Thu 29/08/24	Code Bodies				
T3-QU-0067	QAG	Qualification Assessment Document v2 approved by REC PAB and BSC PAB	Thu 29/08/24	Thu 29/08/24	Code Bodies				

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

Key Milestones Change at 12-June-24

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	Approving Governance Forum	Responsible	Change Type	Milestone Title	Baseline Date	Forecast Date	Previous RAG 05/06/24	Current RAG 12/06/24	Forecast RAG 19/06/24	Commentary
T3-QU-0110	QAG (Non-SIT LDSO)	Code Bodies	Date Change	QAG Approval for Operational, Non-Functional & Migration Annexes of Approach & Plan	Fri 14/06/24	Thu 18/07/24	Green	Red	Red	Date missed because needed to align to S and A QA and P. To go to June QAG for baseline date change
T3-QU-0075	QAG (Non-SIT LDSO)	Non-SIT LDSO	Date Change	PIT Test Approach & Plan Deadline for Submission for Non-SIT LDSO QT	Fri 14/06/24	Mon 01/07/24	Green	Red	Red	Missed date because additional time requested by PPs. To go to June QAG for baseline date change
T3-QU-0077	QAG (Non-SIT LDSO)	Non-SIT LDSO	Name & Date Change	PP Test Scope Approved at QAG	Thu 20/06/24	Thu 18/07/24	Red	Red	Red	There are still issues outstanding that will prevent the approval of the update to Annex 1 QAP. To go to June QAG for date change and name change to PP Test Scope presented at QAG. 11/6: Date missed because update to S and A QA and P
T3-TE-0035	QAG	SI DevOps	Name Change	CSS & SMRS Simulators Released	Fri 23/08/24	Fri 23/08/24	Green	Green	Green	Change name from CSS & SMRS Simulators Released to Non-SIT LDSO Test Harness Released because original naming is no longer applicable and refreshed scope determined in Dec from Code Bodies via Qualification team. To go to June QAG
T3-QU-0081	QAG	Code Bodies	Date Change	QAG Approval of Qualification Approach and Plan v3	Thu 18/07/24	Thu 22/08/24	Yellow	Red	Red	Late because of delay to approval of SIT Non Functional approach. Re-planned to align to v4. To go to June QAG for baseline date change
T3-QU-0065	QAG	Code Bodies	Date Change	Non-Functional Testing elements of Qualification Approach and Plan v3 approved by REC PAB and BSC PAB	Tue 30/07/24	Thu 29/08/24	Yellow	Red	Red	Late because of delay to approval of SIT Non Functional approach. Re-planned to align to v4. To go to June QAG for baseline date change
TBC	QAG	S & A Qualification	New	QAG Approval of QT Migration Test Scenarios and Test Cases Batches 1	Thu 18/07/24	Thu 18/07/24	Grey	Grey	Grey	New milestone added due to further development of the plan
TBC	QAG	S & A Qualification	New	QAG Approval of QT Non-Functional Test Scenarios and Test Cases Batch 2	Thu 19/09/24	Thu 19/09/24	Grey	Grey	Grey	New milestone added due to further development of the plan
TBC	QAG	S & A Qualification	New	QAG Approval of QT Operational Test Scenarios and Test Cases Batch 1	Thu 19/09/24	Thu 19/09/24	Grey	Grey	Grey	New milestone added due to further development of the plan
TBC	QAG	S & A Qualification	New	QAG Approval of QT Operational Test Scenarios and Test Cases Batch 2	Thu 19/09/24	Thu 19/09/24	Grey	Grey	Grey	New milestone added due to further development of the plan
TBC	QAG	S & A Qualification	New	QAG Approval of QT Operational Test Scenarios and Test Cases Batch 3	Thu 17/10/24	Thu 17/10/24	Grey	Grey	Grey	New milestone added due to further development of the plan

Milestone RAG definitions

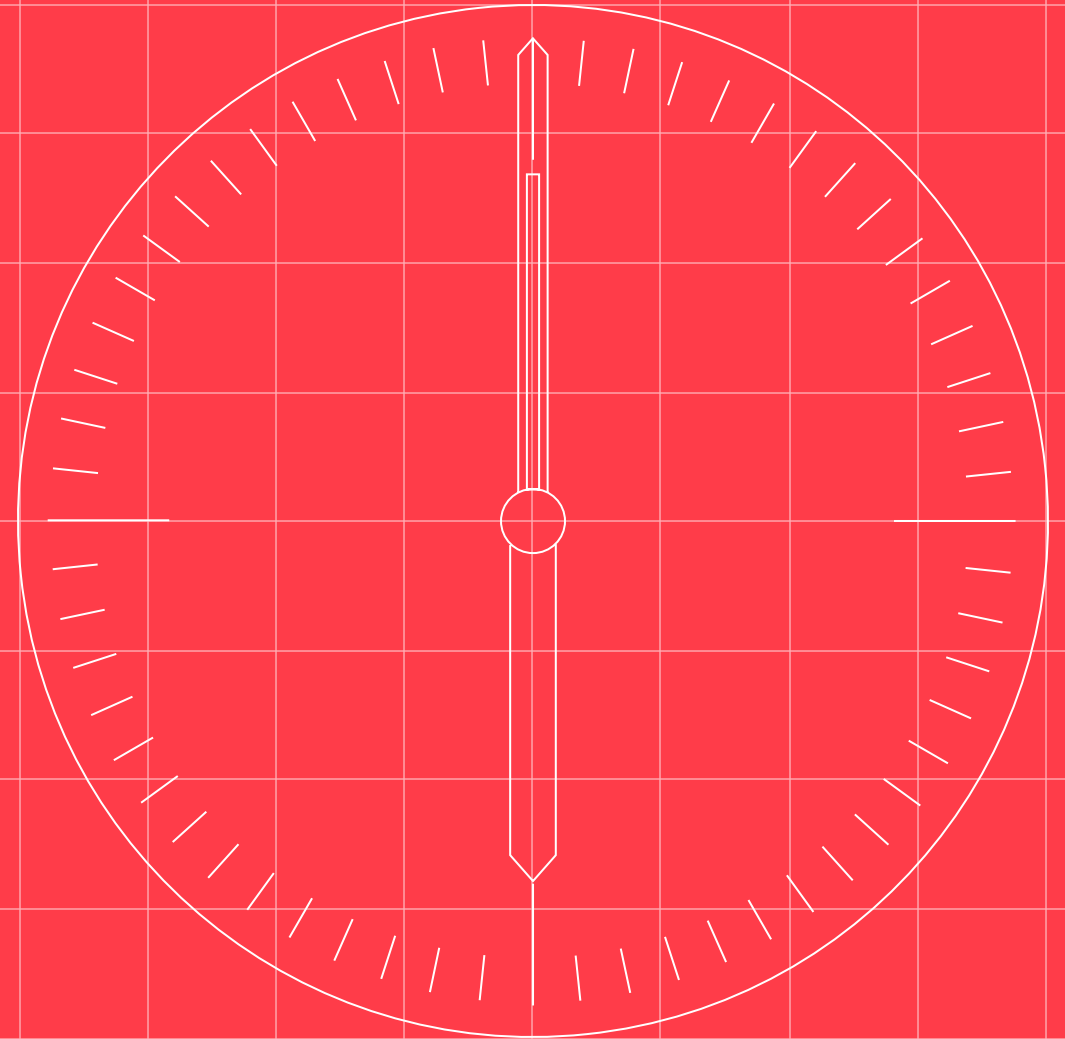
Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation
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Top Programme Risks Related to QAG

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

Chair

5 mins



Risks to Qualification success (Page 2 of 2)

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 historically 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"> CR 47 and 48 have been approved by programme governance. This includes some additional milestones to support participant planning. CR 47 and 48 now embodied in Programme Plan which has highlighted R900 risk to M10 (in later slide). Ongoing collaboration between MHSP and Code Bodies and industry to develop and approve Qualification material through QWG & QAG. Participants have submitted their PQS and PIT plans which are being reviewed 	Previous RAG	Amber (18 items)
			Current RAG	Amber (24 items)

		Key Risks																													
Risk/Issue ID	Risk Description	Risk Score Assessment																												Current score movement since last QAG	Mitigation Plan
		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		
R532	There is a risk that SIT participants will need to execute additional Qualification Testing to qualify	[Red]							[Yellow]							[Green]							[Green]							Score increased from 17 to 18 for proximity	<ol style="list-style-type: none"> Code Bodies have sent Batch 2 of test cases. SI Test team have activities agreed to review. Code Bodies have sent set of potential requirement coverage gaps to SI Test team. This will be reviewed once ADO enhanced with traceability automation. Programme has sent request to Code Bodies to clarify PIT approach to mitigate this risk. Further discussion required between Programme SIT team, Non-SIT LDSO team and Code Bodies to mitigate this risk for SSEN and BUUK.
R695	Code Bodies will not be ready to complete Supplier and Agent Qualification in time for waves (time)	[Red]							[Yellow]							[Green]							[Green]							Score remains at 15	<ol style="list-style-type: none"> Code Bodies have published qualification document that sets out a clear plan for required activities and associated documentation on qualification requirements (e.g. QA&P v2 (including Annex 1 and 2 on testing approach), QAD v1 and REC and BSC assessment criteria Dates from the approved QA&Pv2 to be included in the Programme Plan via CR47 and CR48 and Code Body activity is currently tracking to these dates. Code Bodies reporting progress on Qualification activities to MHHS Programme (inc PSG, QAG and Programme Project Board). Detailed plan being developed by Code Bodies and shared with MHHS Programme for review.

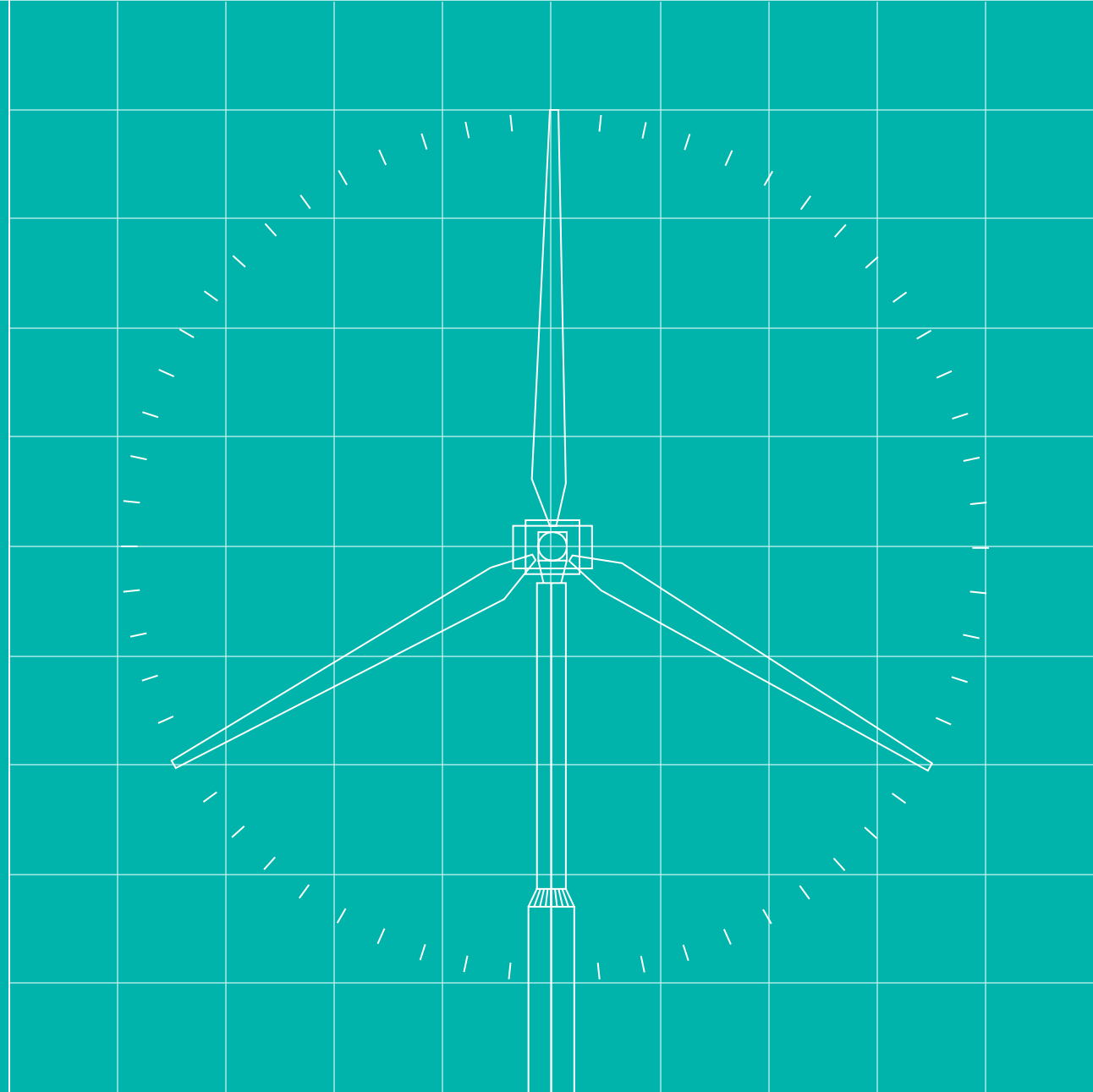
Key	
I	Initial Score
C	Current Score
T	Target Score

AOB

DISCUSSION: Participants to raise any queries on Qualification

Chair

5 mins

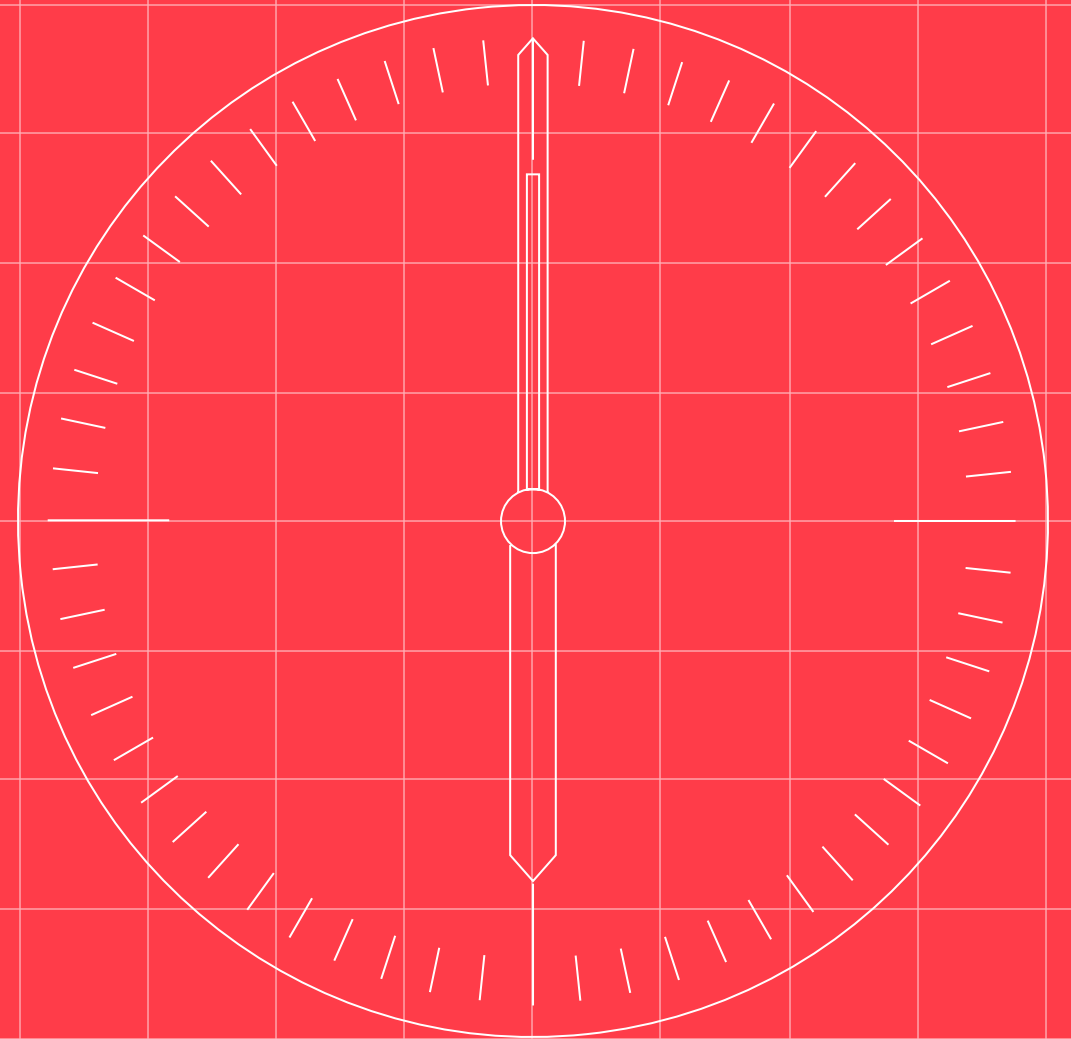


Summary and next steps

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

Secretariat

5 mins



Summary and next steps

Next steps:

1. Confirm actions from meeting
2. Date of the next QWG: **Tuesday 09 July 2024**
3. Date of the next regular QAG: **Thursday 18 July 2024**
4. Date of the next LQTSG: **Wednesday 26 June 2024 at 2pm**
5. Date of the next SAQTSG: **Wednesday 03 July at 2pm**