
Testing and Migration Advisory Group #4

20 April 2022

Agenda

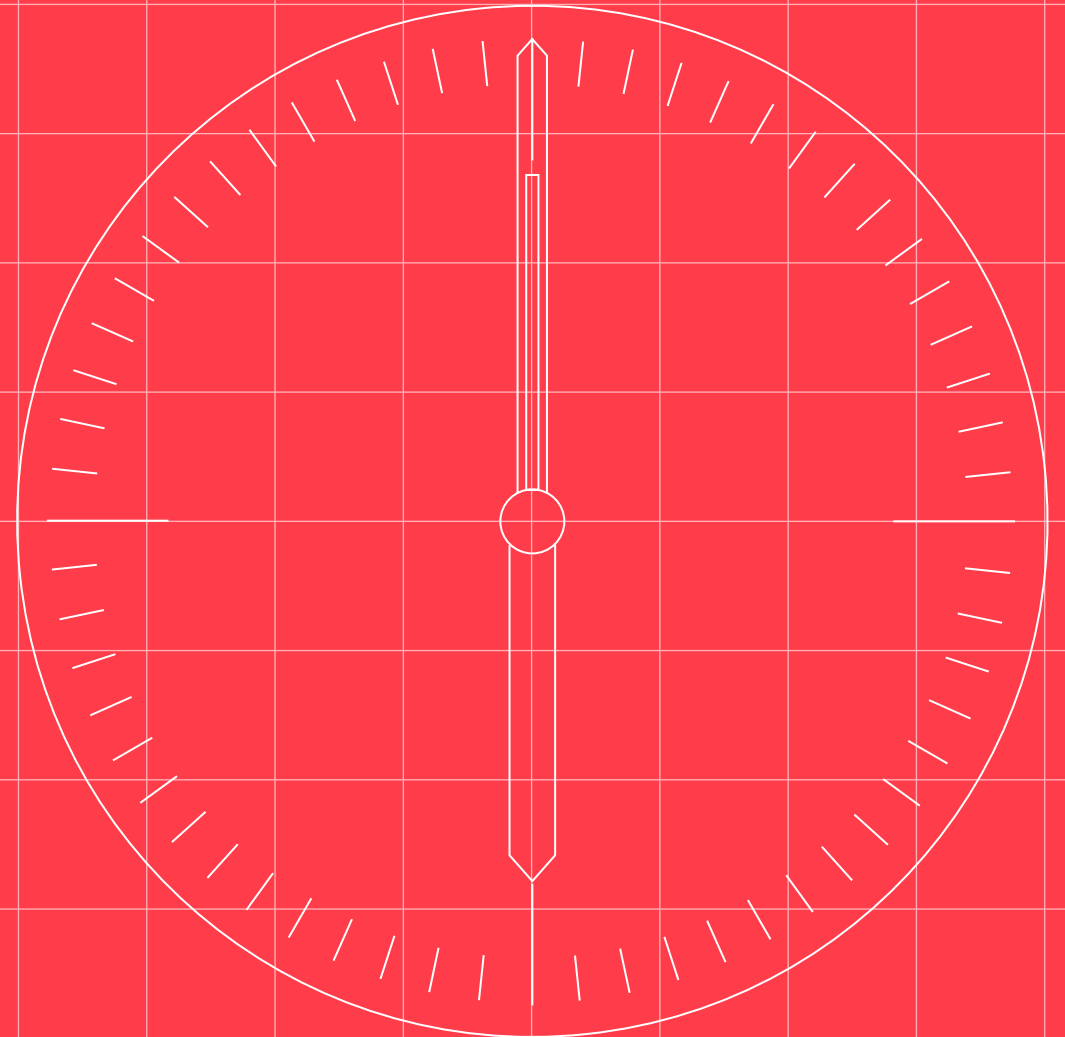
#	Item	Objective	Type	Lead	Time	Page
1	Welcome			Chris Welby	10:00-10:05 5 mins	1
2	Minutes, Actions and Relevant Information	<ul style="list-style-type: none"> • Approve March minutes • Update on open actions, closing where appropriate • Sign-post relevant information for TMAG members 	Decision Discussion Information	Chris Welby	10:05-10:10 5 mins	3
3	Governance Group Updates	Provide updates from L2 and L3 Governance Groups (PSG, DAG and CCAG)	Information	PMO	10:10-10:15 5 mins	6
4	E2E Testing and Integration Strategy	Approve in principle the E2E Test and Integration Strategy	Decision	Kate Goodman	10:15-11:00 45 mins	8
5	Test Data Strategy	Update on the Test Data Strategy	Information	Kate Goodman	11:00-11:05 5 mins	11
6	Working Group plan	Provide an overview of working groups planned under TMAG, their purpose, and a high-level view of when they will mobilise (action TAG03-08)	Information	Kate Goodman	11:05-11:15 10 mins	13
7	Summary and next steps	Summarise actions and look ahead to May's TMAG	Information	Chris Welby	11:15-11:20 5 mins	15

Minutes, Actions and Relevant information

- Approve March minutes
- Update on open actions, closing where appropriate
- Sign-post relevant information for TMAG members

Chris Welby

5 mins



Minutes, Actions and Relevant Information (1 of 2)

1. Approval of minutes from [TAG 003 16 March 2022](#)

2. Open Actions and Actions from TAG 003 16/03/22:

Actions will be discussed by exception. Please review the action updates ahead of the meeting

Ref	Date	Action	Owner	Due Date	Status
TAG02-04	16/02/22	Programme to schedule discussion session with DCC, Elexon, and registration service providers to discuss testing timelines, sequencing, and resource requirements, and determine impacts on MHHS Testing Strategy	Kate Goodman	16/03/2022	CLOSED: meeting held w/c 21 March. Outputs included within E2E Testing Strategy document
TAG02-05	16/02/22	TAG members to provide any views on programme milestones as part of the replan consultation	TAG Members	18/05/2022	OPEN: Ongoing. No feedback received to PMO.
TAG03-01	16/03/22	Stand up / mobilise the Migration Working Group	Programme (Kate Goodman)	14/04/2022	RECOMMEND CLOSED: MWG mobilised with first MWG planned on Thursday 14 April (and thereafter on the second Thursday of each month) at 11:00. Attendees accepted via PMO.
TAG03-02	16/03/22	Update all relevant TAG content to reflect the decision to move to TMAG (e.g., MHHS Governance Framework, meeting invites)	Programme (PMO)	20/04/2022	CLOSED: updates made. Final update to the ToR in the MHHS Governance Framework is currently ongoing via the Programme Change Control Process (CR004)
TAG03-03	16/03/22	Hold separate session to bring Martin Crozier (and any other new TAG members) up to speed	Kate Goodman	23/03/2022	OPEN: update to be given in meeting
TAG03-04	16/03/22	Clarify CVA interactions and data flows between BSC Central Services with Ian Hall	Kate Goodman	23/03/2022	OPEN: update to be given in meeting
TAG03-05	16/03/22	Clarify data generation queries with David Yeoman	Kate Goodman	23/03/2022	OPEN: update to be given in meeting

Minutes, Actions and Relevant Information (2 of 2)

Ref	Date	Action	Owner	Due Date	Status
TAG03-06	16/03/22	Update E2E Testing Strategy with comments as discussed. These changes will be contained in the Word version of the Strategy. For example: 1) clarification on defects. 2) Re-draw test environments to show individual PPs as separate blocks and in a timeline. Review with NBR first	Programme (Kate Goodman)	25/03/2022	RECOMMEND CLOSED: E2E Testing Strategy updated and shared with TMAG and other relevant groups on 30/03
TAG03-07	16/03/22	Provide any further comments and feedback to the PMO on E2E Testing Strategy as presented, to inform E2E Test Strategy document. PMO to share comments form with Headline Report	TAG members	23/03/2022	CLOSED: E2E Testing Strategy shared with TMAG and other relevant groups on 30/03
TAG03-08	16/03/22	Define the Level 4 working groups expected under TMAG, when they expect to be mobilised and what deliverables will come to which groups. Present at next TMAG	Programme (Kate Goodman, Chris Welby)	20/04/2022	RECOMMEND CLOSED: Agenda item 6 for April TMAG
TAG03-09	16/03/22	Provide details to PMO on SEC TAG July clash (to inform TMAG rescheduling)	Nickie Bernsmeier-Rulow	20/04/2022	CLOSED: No clash identified.

3. Relevant content for TMAG members, April 2022

A number of **Change Requests** have been progressed through the Programme Change Control process:

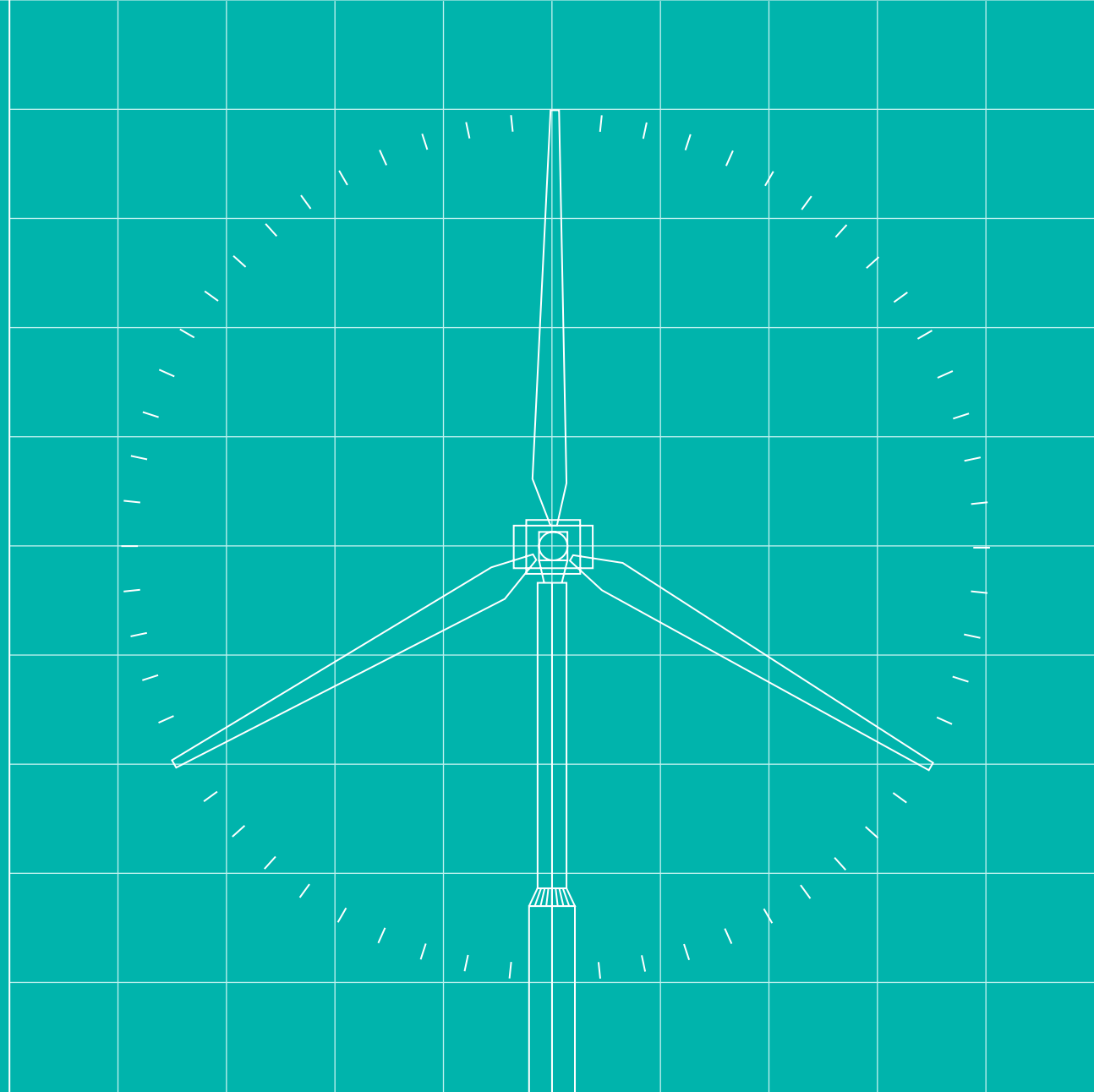
- **CR001 and CR002** – the proposals to move M5 were discussed at PSG 06/04/22, where a decision was to be made of a recommendation to Ofgem. The SRO made the decision to recommend Ofgem approve CR001 (move M5 to July 2022) and reject CR002 (move M5 to November 2022). Please see the [meeting headline report](#) for the full rationale
- **CR003** – CCAG proposals to change M6 and M7 have been issued for Impact Assessment to be returned by 12/04/22
- **CR004** – TMAG ToR updates to MHHS Governance Framework has been completed as a ‘house-keeping’ change. Relevant updates to the Governance Framework will be included alongside CR005
- **CR005** – Programme Cooperation Principles has been issued for Impact Assessment to be returned by 12/04/22

Governance Group Updates

Provide updates from L2 and L3 Governance Groups (PSG, DAG and CCAG)

PMO

5 mins



L2 and L3 Governance Group Updates

This slide is included for information. Content will be presented in the meeting by exception

Programme Steering Group (PSG)

Update from PSG 07 April 2022

- CR001 and CR002 Change Requests** – The Programme presented the outputs of the impact assessments from programme participants on CR001 and CR002. The IPA provided their view and recommendation. Each constituency representative provided their view on the Change Requests and voted for the Change Request they preferred. Based on the outputs of impact assessment and the views of constituency representatives, the SRO made the decision to recommend CR001 to Ofgem for a decision. Full detail and rationale will be provided in the [PSG Headline Report](#).
- Readiness Assessment** – An update was provided on Readiness Assessment 1. Feedback was given by PSG members to include in the final report.
- Data Integration Platform (DIP)** – The Programme provided an update on DIP.
- Further updates** – Several smaller updates were provided, such as on the status of other Change Requests (e.g. CR003-05), the MHHS Open Day, and Central Party finances.
- Programme Dashboards** – Questions were taken on Programme Dashboards. Some dashboards will be updated following feedback.

Cross-Code Advisory Group (CCAG)

Update from CCAG 23 March 2022

- Smart Meter Act Powers (SMAP)** – An update was provided by Ofgem on the use of SMAP. The powers can be activated in c.40 working days and do not require parliamentary time, meaning they can be activated even when Parliament is in recess. The powers are active for five years following commencement and can be employed in directing multiple tranches of code change, if necessary.
- Change Request to delay M6 and M7** – CCAG members agreed to the raising of a Change Request to change the dates of the M6 and M7 programme milestones relating to the delivery of code drafting and activation of SMAP by Ofgem. This was presented to the Change Board on 24 March 2022 and will be submitted to impact assessment. Code Bodies are now working through the specific areas of code that are likely to require change and the required resource (e.g. registrations, load shaping service, etc.). The Change Request includes:
 - Move M6 to 9 months after M5
 - Re-define M6 to 'code changes baselined'
 - Move M7 to 10 months after M5

Design Advisory Group (DAG)

Updates from DAG 09 March 2022, Extraordinary DAG 17 March 2022 and DAG 23 March 2022

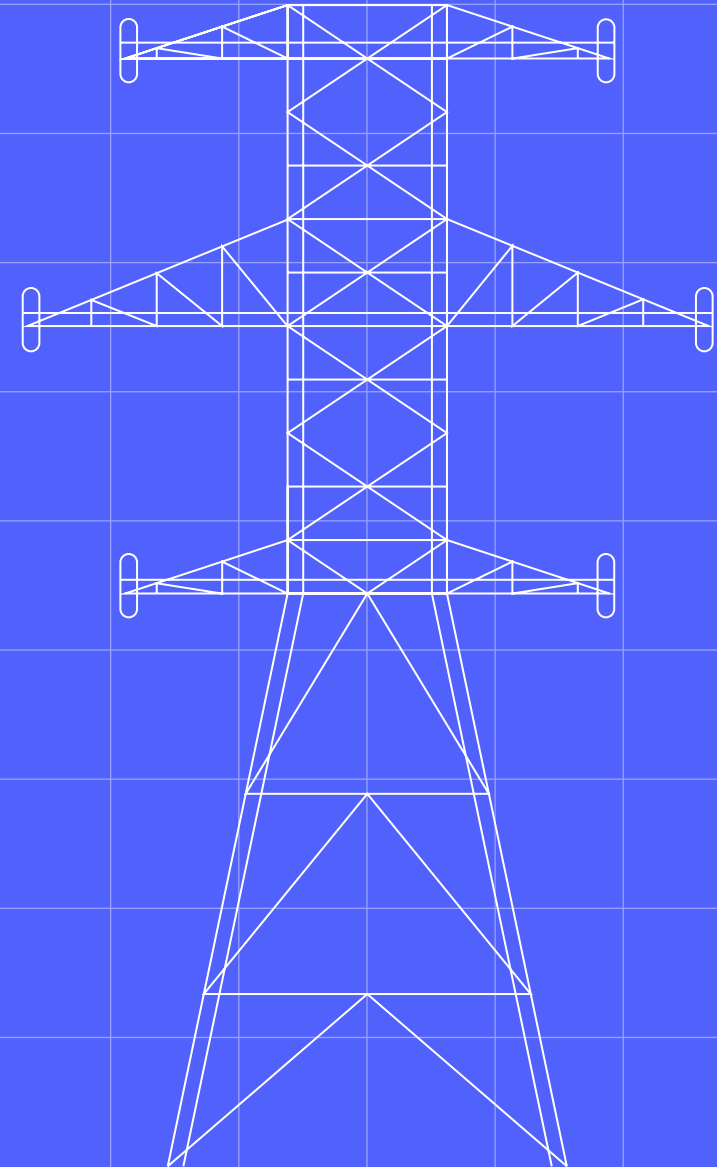
- Terms of Reference (ToR)** – The DAG approved updates to the ToR to include provision for instances where the group may decide to deviate from the design principles (e.g., conflict between principles, etc.). This will be enacted via a Change Request.
- Level Playing Field Principle** – Extraordinary meeting discussed whether [SEC MP162](#) sufficiently enacts the design principle that market participants will be able to offer the same levels of service for the same MHHS service. Discussion focused on the Target Response Times (TRTs) for Meter Data Retrieval (MDR) service requests and whether there was an essential need for TRTs of <24 hours. The Smart Meter Segment Sub-Group (SDS) must determine this and report back to DAG.
- DIP Functional Specification and Non-Functional Requirements documents** – DAG approved the issuance of the v1.0 documents to prospective DIP service providers as part of the Request for Proposal. The documents will be updated following feedback from bidders and comment from DAG members, although the substantive content is not expected to change significantly.

E2E Testing and Integration Strategy

Approve in principle the E2E Test and Integration Strategy

Kate Goodman

45 mins



As of COB Friday 08 April, the Programme had received 36 comments on the E2E Testing and Integration Strategy.

Seven organisations had responded, covering:

- Supplier
- Code body/other central system
- Service provider
- DNO

Type of Comment	Number of Comments
Discussion point	2
Minor change	8
Minor correction	3
Query/clarification	17
Scope	6
Grand Total	36

Current count of comments: 113

12 organisations responded

Type of Comment	Number of Comments
scope	8
discussion point	2
clarification in document	43
change to document	11
correction	3
clarification but no change to document	41
n/a	5
Grand Total	113

E2E Testing & Integration Strategy – comments for discussion

The following comments are for discussion in TMAG:

Ref in E2ET&I Strategy	Comment Title	Notes	
1	Section 4 (Scope)	Scope of REC Services in programme testing	REC service requirements are not clear, particularly with respect to Electricity Enquiry Service (EES) or Secure Data Exchange Service (SDES).
2	5.3 (User Integration Testing - Qualification)	Scope and impact of Qualification	Qualification generally needs clarifying and REC qualification in particular needs to be dealt with.
3	Exec Summary	Exec Summary Comments	Scope with respect to programme participants needs clarification especially for independent software providers.
4	4.2 Scope and Figure 1	DTN in Scope	Is DTN in scope?
5	7.5 Test Phase and Stage Entry and Exit Criteria	Entry and Exit Criteria	For PIT entry criteria is very waterfall and does not lend itself to an Agile approach.
6	8.1 Governance	SEC Panel TAG's role	There should be reference to SEC Panel TAG's role in governance of all DCC changes.
7	4.2 Scope	CVA interactions	CVA interactions need to be clarified.
8	10 Test Harnesses	Data generation	Data generation needs to be clarified.
9	5.2 Systems Integration Testing	SIT and i/DNO participation	Clarification is needed on IDNO participation.
10	9 Test Environments and Configuration Management	Test Environments	There are potentially a large number of test environments needed and this poses particular cost issues for IDNOs because there is no cost recovery (as there is with DNOs).

E2E Testing & Integration Strategy – proposed additional content

BSC Role	Responsible Organisation(s)	Qualification	SIT Component Integration	SIT Functional	SIT Operational	SIT Migration (incl NF)	SIT Non-Functional	Body governing qualification currently
MSS (Metering Service Smart)	supplier agent	Y	Y (selected)	Y (selected)	Y (selected)	Y (selected)	Y (selected)	BSC, REC
SDS (Smart/Non-Smart Data Service)	supplier agent	Y	Y (selected)	Y (selected)	Y (selected)	Y (selected)	Y (selected)	BSC, REC
MSA (Metering Service Advanced)	supplier agent	Y	Y (selected)	Y (selected)	Y (selected)	Y (selected)	Y (selected)	BSC, REC
ADS (Advanced Data Service)	supplier agent	Y	Y (selected)	Y (selected)	Y (selected)	Y (selected)	Y (selected)	BSC, REC
UMSDS (UMS Data Service)	supplier agent	Y	Y (selected)	Y (selected)	Y (selected)	Y (selected)	Y (selected)	n/a
domestic supplier	supplier	Y	Y (selected)	Y (selected)	Y (selected)	Y (selected)	Y (selected)	BSC, REC, SEC
non-domestic supplier	supplier	Y	Y (selected)	Y (selected)	Y (selected)	Y (selected)	Y (selected)	BSC, REC, SEC
SmartDCC - DSP	DCC	N	Y	Y	Y	Y	Y	n/a
SmartDCC - CSS	DCC	N	Y	Y	Y	Y	Y	n/a
ISDS (Industry Standing Data Service)	Elexon	N	Y	Y	Y	Y	Y	n/a
LSS (Load Shaping Service)	Elexon	N	Y	Y	Y	Y	Y	n/a
MDS Market-wide Data Service)	Elexon	N	Y	Y	Y	Y	Y	n/a
VAS (Volume Allocation Service)	Elexon	N	Y	Y	Y	Y	Y	n/a
Settlement Operations	Elexon	N	Y	Y	Y	Y	Y	n/a
UMSO	(I)DNOs	Y	Y (selected)	Y (selected)	Y (all)	Y (all)	Y (selected)	BSC
Network Operations	(I)DNOs	Y	Y (selected)	Y (selected)	Y (all)	Y (all)	Y (selected)	BSC
Registration Services	(I)DNOs	Y	Y (selected)	Y (selected)	Y (all)	Y (all)	Y (selected)	BSC, REC
DIP	MHHS	N	Y	Y	Y	Y	Y	n/a
PKI	MHHS	N	Y (test certs?)	Y (test certs?)	Y (test certs?)	Y (test certs?)	Y (test certs?)	n/a

We would like to agree “in principle” approval at this meeting, based on the discussions held on the points on the previous slide and that we respond adequately to the other comments.

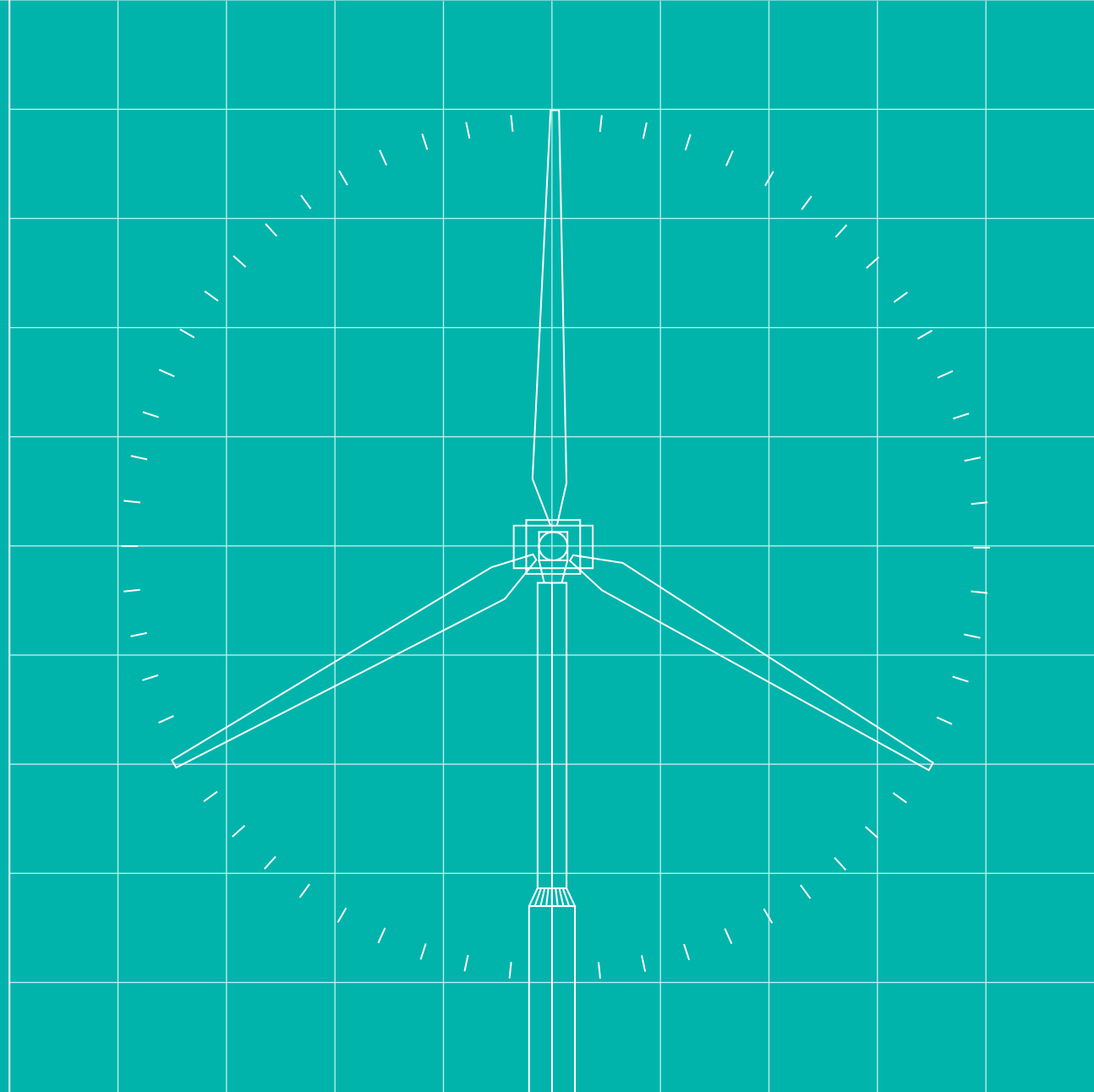
The final document will be approved ex-committee ahead of May’s TMAG.

Test Data Strategy

Update on the Test Data Strategy

Kate Goodman

5 mins



Few formal comments were received

Excellent debate was held at DWG on 7 April

As a result, another review iteration of the document is needed

The document is being reissued w/c 11 April

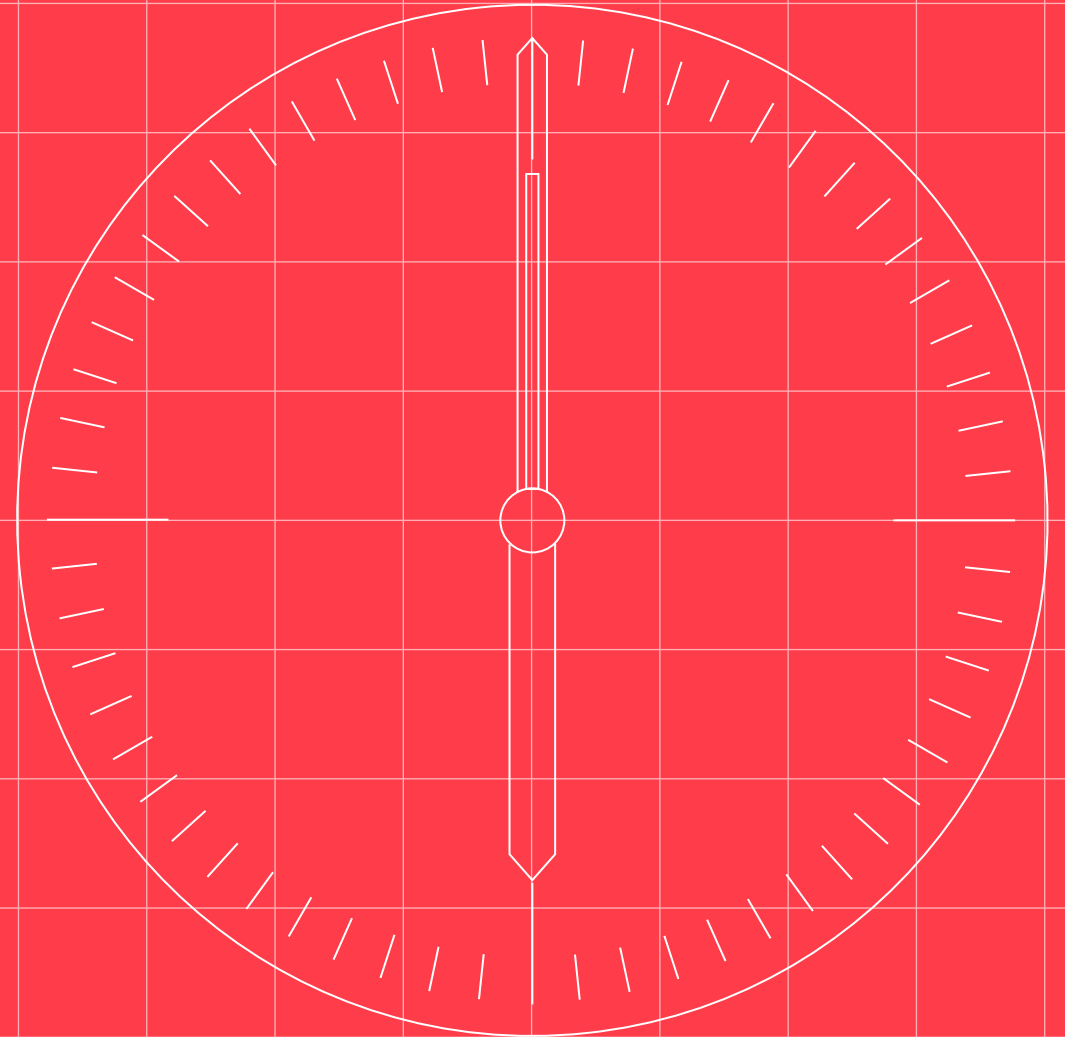
The document will be presented for ratification at May TMAG (not April TMAG)

Working Group plan

Provide an overview of working groups planned under TMAG, their purpose, and a high-level view of when they will mobilise (action TAG03-08)

Kate Goodman

10 mins



TMAG Working Group forward look

The TMAG is intended to have a number of Level 4 Working Groups reporting up to it. The Groups currently anticipated are:

Group	Status
Data Working Group (DWG)	Mobilised in March 2022. Meetings are the first Thursday of the month
Migration Working Group (MWG)	Mobilised in April 2022. Meetings are the second Thursday of the month
Environments & Configuration Management Working Group (ECMWG)	To be mobilized in the next few months
Qualification & E2E Sandbox Testing Working Group (QESWG)	To be stood up at the appropriate time, as determined during the re-baselining of the plan after M5
SIT Working Group (SWG)	To be stood up at the appropriate time, as determined during the re-baselining of the plan after M5
Non-Functional Testing Working Group (NFTWG)	To be stood up at the appropriate time, as determined during the re-baselining of the plan after M5

Note that associated deliverables will be defined in the Testing Approach & Plan document for each test stage.

Summary and next Steps

Summarise actions and look ahead to May's TMAG

Chris Welby

5 mins

Next Steps

Next steps:

1. Confirm Actions from meeting
2. Date of next TMAG: 18 May 2022

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

Meeting dates	20-Apr	18-May	22-Jun	27-Jul	24-Aug
Relevant milestone or activities		M5		M5+	
Agenda items	<ul style="list-style-type: none"> • E2E Test strategy approval • E2E Test Data strategy approval • Working Group plan 	<ul style="list-style-type: none"> • Test tools strategy approval • Qualification principles • Migration strategy principles 	<ul style="list-style-type: none"> • Test tools design • Migration strategy review 	<ul style="list-style-type: none"> • Test tools design approval • Migration strategy approval 	<ul style="list-style-type: none"> • SIT test approach and plan • Environment plan
Standing items	<ul style="list-style-type: none"> • Minutes & actions • Agenda roadmap • Relevant information for TMAG members 	<ul style="list-style-type: none"> • Minutes & actions • Agenda roadmap • Relevant information for TMAG members • Working group highlight report 	<ul style="list-style-type: none"> • Minutes & actions • Agenda roadmap • Relevant information for TMAG members • Working group highlight report 	<ul style="list-style-type: none"> • Minutes & actions • Agenda roadmap • Relevant information for TMAG members • Working group highlight report 	<ul style="list-style-type: none"> • Minutes & actions • Agenda roadmap • Relevant information for TMAG members • Working group highlight report

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

Thank you