



MHHS
PROGRAMME

Industry-led, Elexon facilitated

Cross Code Advisory Group #2

26 January 2022

Version 1.1

MHHS DEL151

Agenda

1. Welcome

Chris Welby

5 mins

2. Minutes and Actions Review

Chris Welby

5 mins

3. Lead Delivery Partner (LDP) Introduction

Keith Clark

10 mins

4. Programme Ways of Working – Code Body feedback

Chris Welby

30 mins

5. Programme Ways of Working – additional clarifications

Chris Welby/Andrew Margan

10 mins

6. Sign off

Andrew Margan

5 mins

7. Horizon Scanning

Andrew Margan

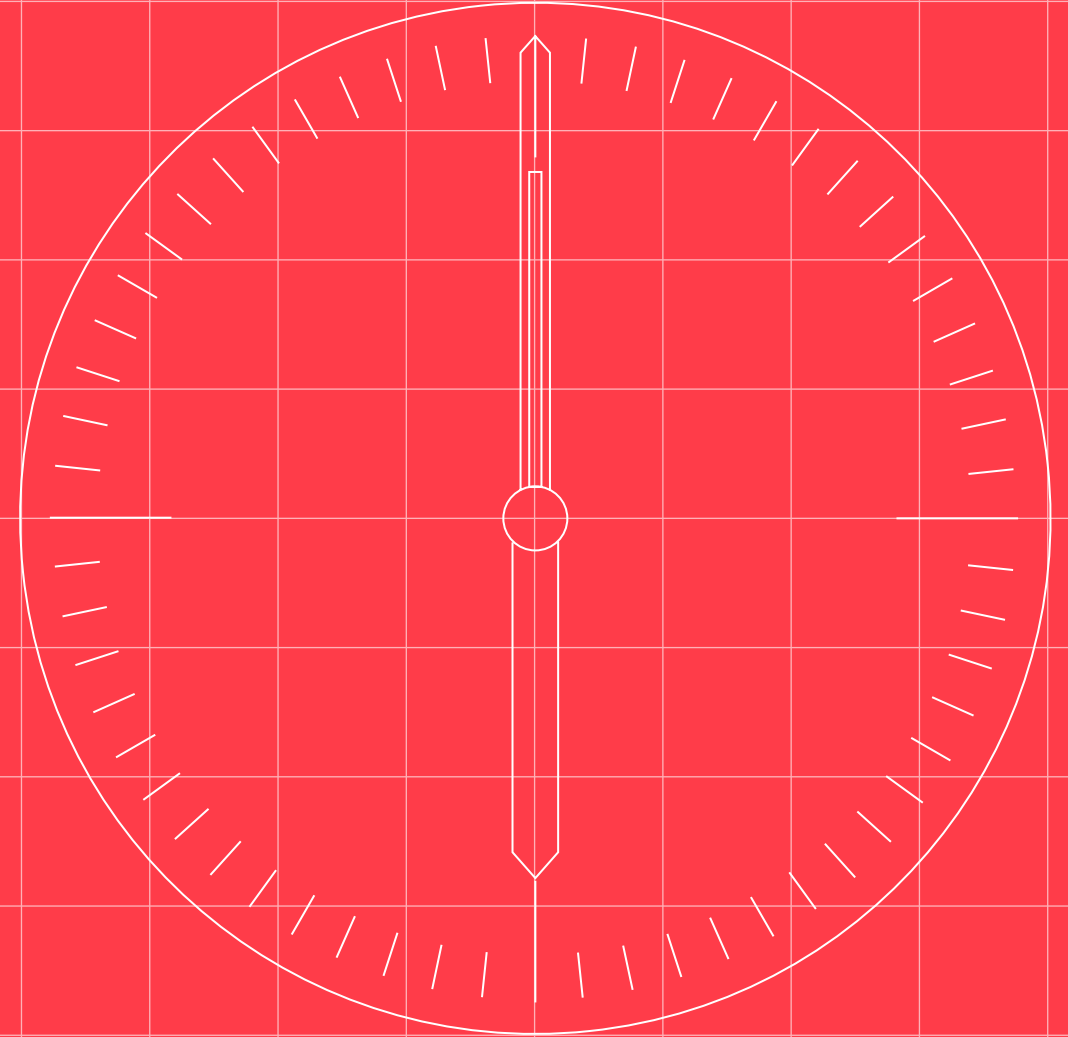
10 mins

8. Next Steps

Chris Welby

5 mins

Minutes and Actions Review

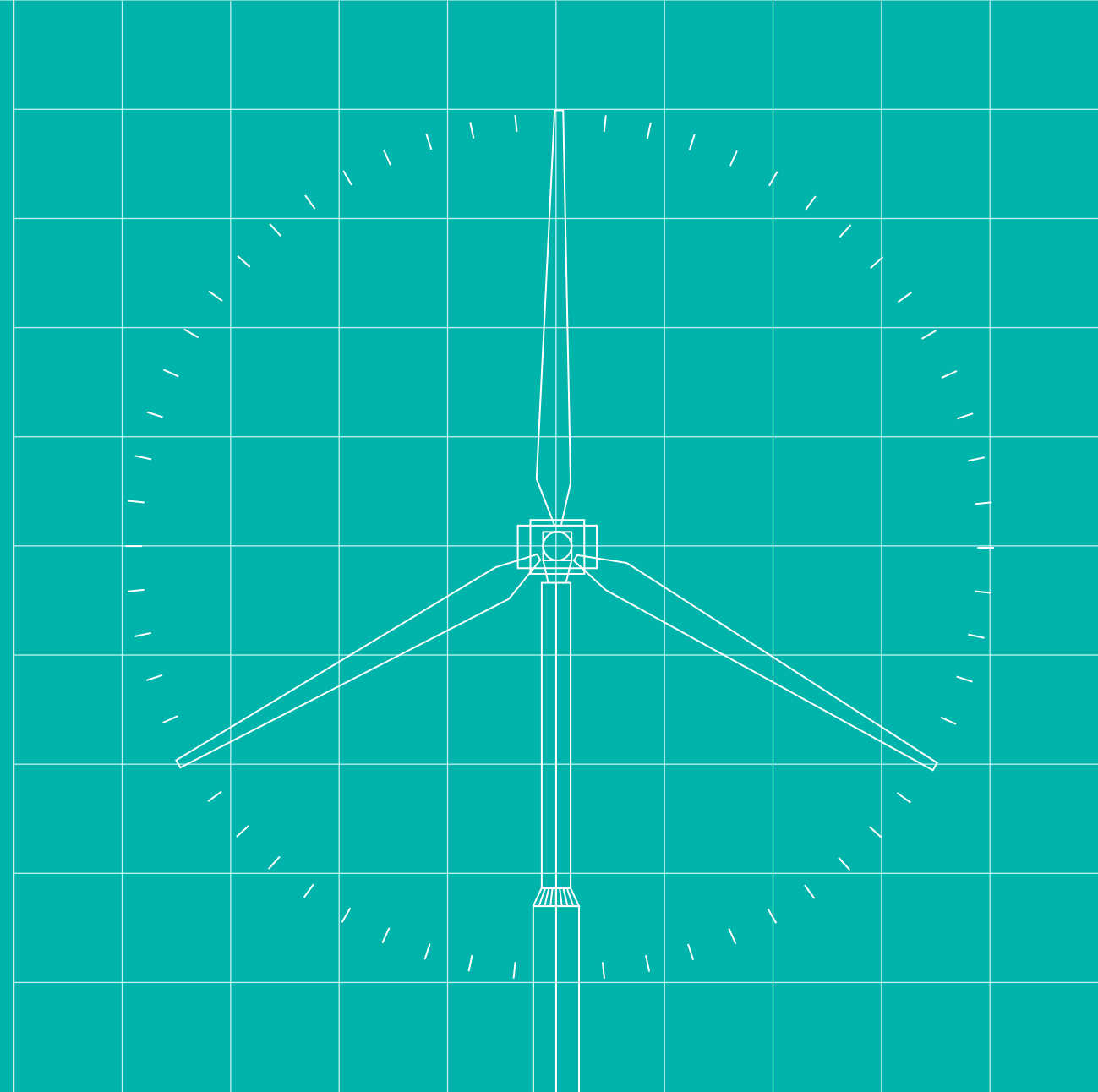


Minutes and Actions Review

- Approval of [Minutes from 24th November 2021](#)
- Actions Review:

Action Ref	Created	Action	Owner	Due Date	Status
CCAG01-01	24/11/21	As noted in the CCAG principles "Code Bodies support a design-led model; not a Code-led model requiring Code Bodies to be involved in the end-to-end Design work immediately", CCAG representatives are asked to ensure early and continued participation in the DAG Level 4 Working groups from their constituencies and members. Confirmation required by 8/12/21 when the programme team will ring around for an update.	CCAG Reps	08/12/2021	OPEN - For discussion today - Agenda item 5
CCAG01-02	24/11/21	Programme to issue a timetable (and subject areas) of the DAG Level 4 Working groups to assist CCAG representatives to identify appropriate Code Body resources for each.	Programme PMO	29/11/2021	CLOSED - Shared with CCAG group alongside meeting papers 19/01 and copied in appendix
CCAG01-03	24/11/21	In line with the programme being design-led, Milestone 6 is being proposed to be changed to "Initial drafts of Code changes". CCAG representatives are therefore tasked with consulting with their constituencies to determine realistic dates for Milestone 6 and Milestone 8 Code Changes Delivered (bearing in mind the dependency between M8 Code Changes Delivered and M10 Central Systems ready for migrating MPANs). This information will be critical to the rebaselining of the plan which requires participation from all parties and evidence of reasoning for changes.	CCAG Reps	26/01/2022	OPEN - For discussion today - Agenda item 5
CCAG01-04	24/11/21	Programme to organise a meeting with Code Bodies to develop and agree a framework for reporting changes that could impact the MHHS Programme.	Programme PMO	03/12/2021	OPEN - For discussion today - Agenda item 6/7

Lead Delivery Partner (LDP) introduction

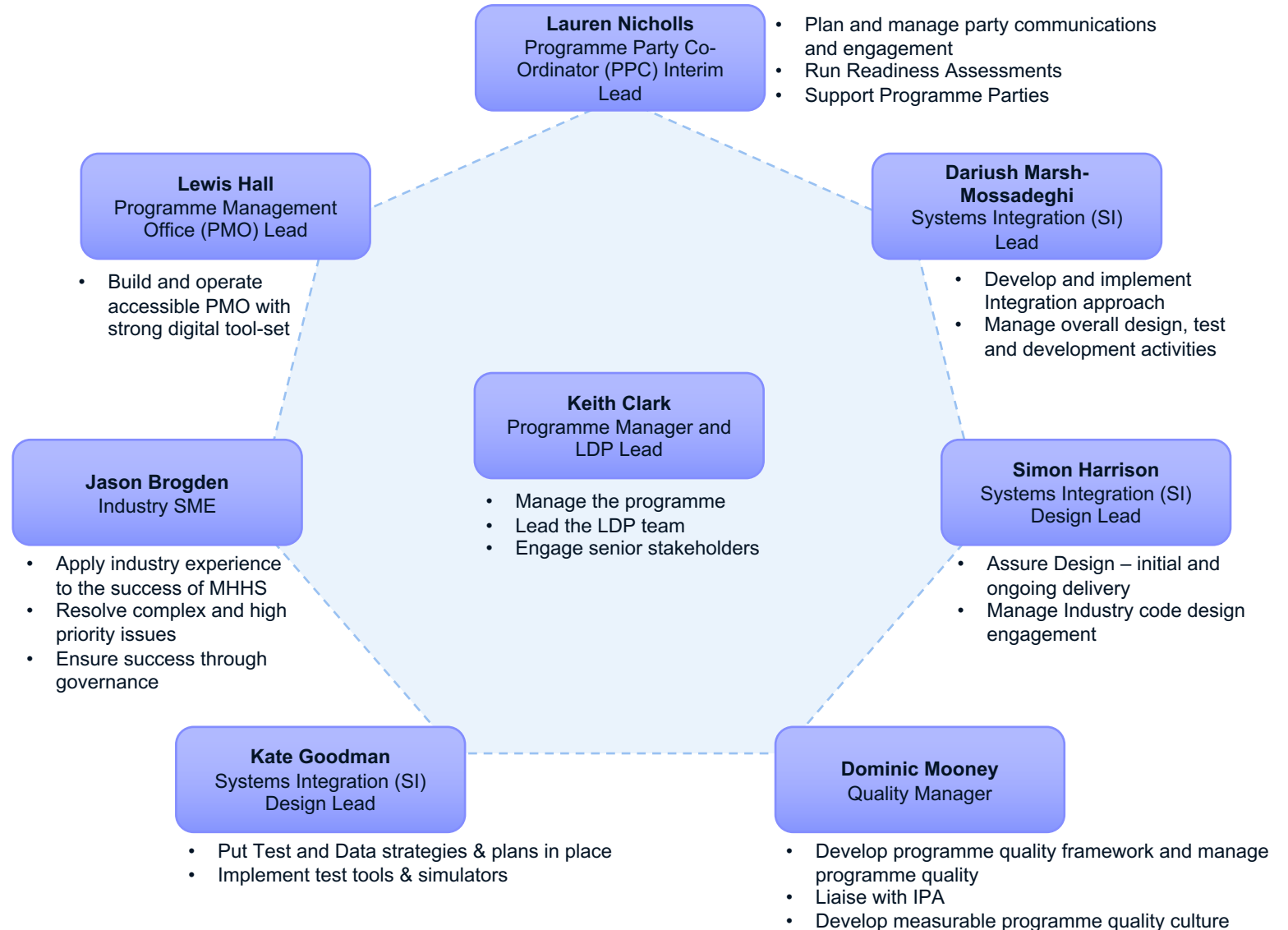


Lead Delivery Partner: Core Programme Team

LDP team has been in place since December 1st

Focus is currently on:

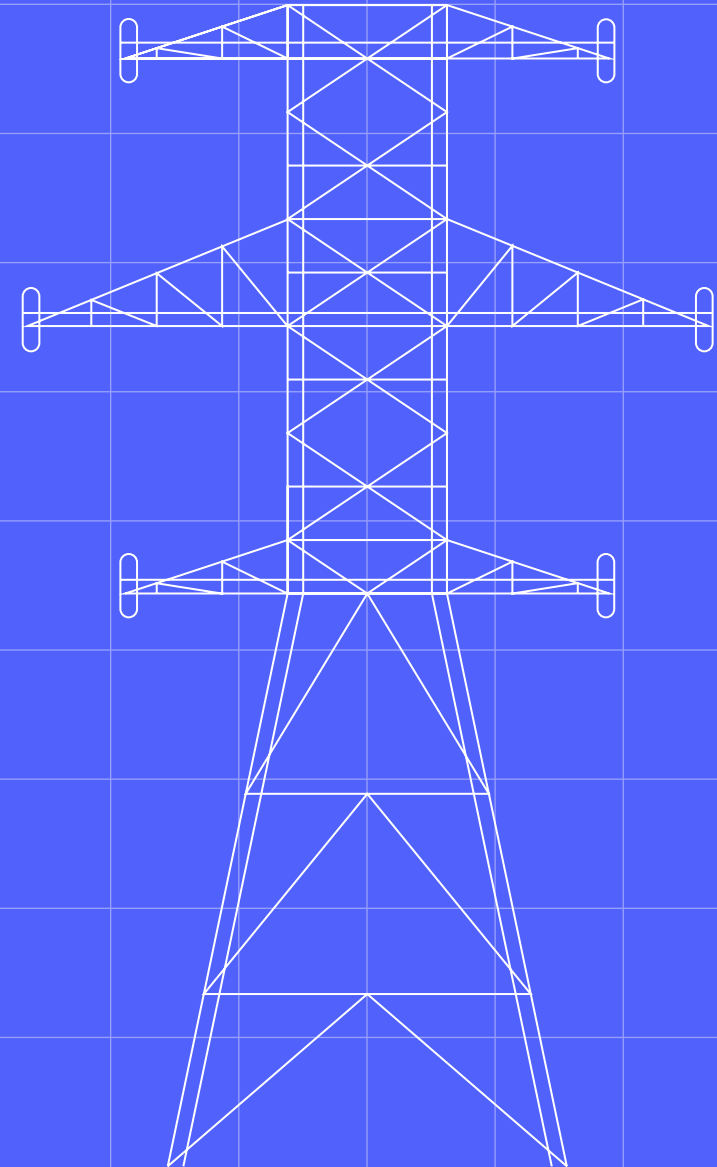
- building partnership with the SRO function
- sharing and / or transferring knowledge from SRO function to LDP
- starting the process of engaging with Programme Parties



Key Programme Mobilisation Steps

LDP Function	December	Christmas Period	1 st Half January (04-Jan-22 to 17-Jan-22)	2 nd Half January (18-Jan-22 to 31-Jan-22)	Milestone M4 31-Jan-22
CPT	<ul style="list-style-type: none"> Conduct kick-off (SRO Function and LDP) Liaise with SRO function to transfer / share knowledge, on-board team & plan M4 activities Prepare Governance Framework proposals 		<ul style="list-style-type: none"> Complete hand over of all relevant programme management functions from SRO Functions Finalise Governance Framework Proposals, build consensus and formalise intended changes Meet with IPA & establish approach* 	<ul style="list-style-type: none"> Governance Framework Proposals agreed, and priority changes implemented Support IPA activities leading to M4 and agree ways of working with IPA* Build consensus on M4 milestone completion 	Programme Parties, LDP and IPA* fully mobilised
PMO	<ul style="list-style-type: none"> Set up PMO tools and processes Prepare for governance handover Prepare onboarding materials for new people Implement initial digital PMO functions Start developing planning approach 		<ul style="list-style-type: none"> Establish take-on of programme governance Develop digital PMO (MVP) capability Enhance planning approach 	<ul style="list-style-type: none"> Complete governance take-on Complete digital PMO (MVP) with all core PMO functions in place and operational Agree planning approach Prepare M4 completion report 	
PPC	<ul style="list-style-type: none"> Refine existing party contact lists Initiate engagement with programme parties Start planning for participants' launch event 		<ul style="list-style-type: none"> Ramp-up of initial party engagement activities Take ownership of MHHS website Develop overall stakeholder engagement strategy Complete planning for participants' launch event 	<ul style="list-style-type: none"> Assess completeness of party contact lists & initial engagement Update & maintain MHHS website Update communications strategy & plan Prepare participants' launch event 	
SI - Design	<ul style="list-style-type: none"> Start review of existing design Attend L3 and L4 design sessions Agree design tooling approach & implement design tool 		<ul style="list-style-type: none"> Populate design tooling Begin evaluation vs. standards (TOGAF, UML etc) 	<ul style="list-style-type: none"> Produce assessment of design to date Support SRO team with Core Platform procurement (technical SME input) 	
SI - Development	<ul style="list-style-type: none"> Gather and prioritise requirements for the programme Portal for PMO, PPC and Programme Participants Establish scope of MHHS Website vs Portal Roll out basic document management (SharePoint; not integrated into Portal) 		<ul style="list-style-type: none"> Gather / prioritise requirements for Portal – other users Gather requirements for Website Develop Portal look and feel Develop Portal & Website maintenance strategy Roll out priority PMO tools (not yet in Portal) 	<ul style="list-style-type: none"> Agree Portal and Website: <ul style="list-style-type: none"> Requirements Look and feel Maintenance strategy Agree Portal release plan 	
SI - Test	<ul style="list-style-type: none"> Will not be started during programme mobilisation 		<ul style="list-style-type: none"> Will not be started during programme mobilisation 		

Programme Ways of Working – Code Body feedback



Programme Ways of Working – Code Body feedback

For discussion:

- a) Code Body Level 4 and Code drafting resource planning
- b) Code change workflow roadmap
- c) Code drafting timelines (M6 and M8 milestone timelines)

Relevant actions:

Action Ref	Created	Action	Owner	Due Date	Status
CCAG01-01	24/11/21	As noted in the CCAG principles "Code Bodies support a design-led model; not a Code-led model requiring Code Bodies to be involved in the end-to-end Design work immediately", CCAG representatives are asked to ensure early and continued participation in the DAG Level 4 Working groups from their constituencies and members. Confirmation required by 8/12/21 when the programme team will ring around for an update.	CCAG Reps	08/12/2021	OPEN - For discussion today - Agenda item 5
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Initial MHHS/DCUSA code development

- Based on the FSP SCR the DCUSA Panel support a thin resource model with involvement in the level 4 working groups where appropriate and activities of the CCAG
- Flexibility is available within the resource identified
- The delivery of the initial draft is subject to an understanding of when the DAG deliver the design and how they interact with each code body in developing the code
- Changes look minor in nature but two of the five areas may well be outside the Programme so development timeline is unknown. They need adding to the risk/dependency log
- DCUSA unlikely to be on the critical path
- DCUSA can cater for any release date and is likely to be less impacted than other codes (e.g. no central systems to consider)



DCUSA Impact

MHHS impacts 5 key areas:

Change	Comments
Unmetered Supplies	DCP375 to cater for changes to NTC. The remainder to form part of the housekeeping change
Demand Control	May be impacted by the A&FLC SCR A further change proposal DCP397 has been raised
Charging Methodology and billing	May be impacted by the A&FLC SCR
Housekeeping	Mostly the use of terminology
Residual Charge Bands	New requirement. Changes required to remove NHH references. Common approach with the ESO

Unmetered Supplies change proposal

DCP275 - Amendments to the Unmetered Supplies National Terms of Connection

The obligations are to be amended to make them generic in nature rather than specific to the non half-hourly or half-hourly market

Schedule 2B

- Removal of Estimated Annual Consumption
- Removal of Profile Class
- Removal of Meter Administrator
- Removal of Profiled Trading

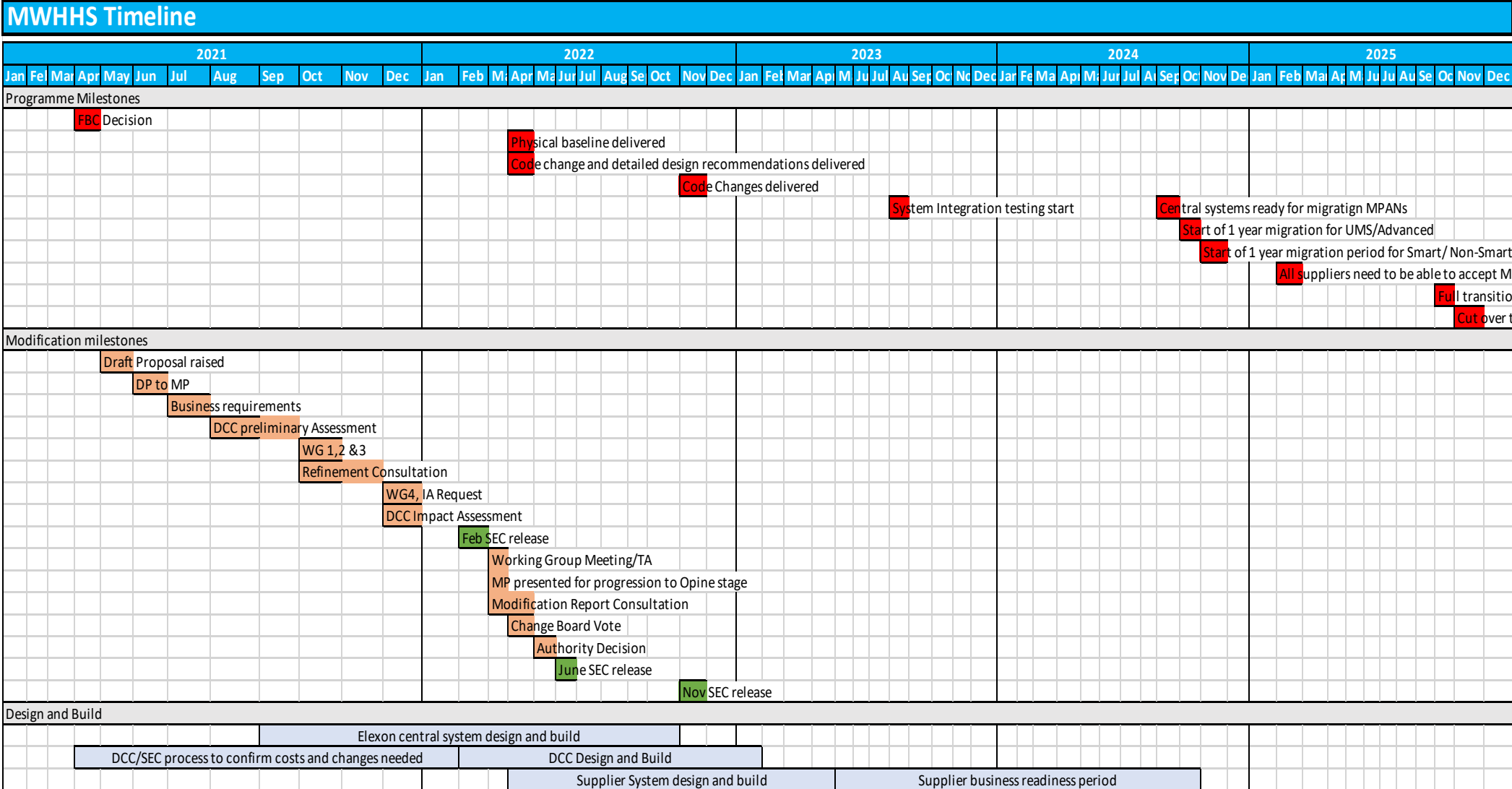
Background



The Smart Metering aspects of the MHHS solution are expected to include:

- New User Role for Parties carrying out the Meter Data Retrieval (MDR) service;
 - Definition of the Service Requests (SRs) the new MDR User Role will have access to and the Target Response Times (TRTs) and testing scenarios;
 - The security and data privacy arrangements that will apply to the new User Role; and
 - The User Entry Process requirements for the new User Role.
-
- The functional requirements based on the Target Operating Model (TOM) are well defined; the non-functional requirements are yet to be finalised
 - Notably how any increase in traffic across the DCC network will be accommodated
 - MP162 Working Group working on defining the assumptions which should be used to inform DCC's capacity model and technical solution.

SECAS – MP162 Change Timeline



Resourcing



- SECAS / SEC represented at three groups
- Rosie Knight and Tim Newton attending the Cross Code Advisory Group (CCAG), with support from Robin Healey
- Joey Manners sitting on Business Process & Requirements Working Group (BPRWG)
- A Principal consultant will sit on the Technical Design Working Group (TDWG)
- Information from these groups will be fed into the SEC Panel and Sub-Committees, as well as into the SEC as appropriate.

RETAIL ENERGY CODE

REC IMPACTS – HIGH LEVEL

- Processes relating to Smart and Advanced Metering Services defined in the REC.
- Upstream impacts of the new Registration Service (impacts to Electricity Retail Data Service and Central Switching Service).
- Updates to other REC Services (Electricity Enquiry Service, Secure Data Exchange Portal, Crossed Meter Portal, New MPAN Requests).
- Updates to E2E Change of Supplier process, and associated exception processes (CoS readings, Erroneous Switches, etc.)
- Updates to other registration and exception processes (Crossed Meters, Related Metering Points, etc.)
- Updates to REC-owned Market Messages and Data Items.
- New and updated Market Scenarios in EMAR.
- Data Access requirements for new Market Participants.
- Impacts to Performance Assurance Framework.

REC Current and Proposed Timelines

Current timescales

2022												2023											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
			M5: Physical baseline delivered																				
			M6: Code change and detailed design recommendations delivered																				
			M7: Smart Meters Act powers enabled																				
										M8: Code changes delivered													
																							M9: System integration testir

Proposed timescales

2022												2023											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
			M5: Physical baseline delivered																				
			Code Drafting																				
				Impact Assessment																			
							Refinement																
									M6: Code change and detailed design recommendations delivered														
			M7: Smart Meters Act powers enabled																				
													M8: Code changes delivered										
																							M9: System integration testir

RETAIL ENERGY CODE CODE DRAFTING MILESTONES

- Drafting of Code changes is dependent on Milestone 5 (Physical Design Baselined). Code drafting will need to commence following the achievement of this milestone.
- Impact to Service Providers must follow formal impact assessment to confirm the required code changes for REC Services.
- Outputs of the Impact Assessment may impact the legal drafting, requiring updates to the code changes.

Other questions

- When do code changes need to become effective? Before/start of migration? `One way gate (M14)? Full transition?
- If more than one set of code changes is required, do the milestones relate to all versions, or are separate milestones required for each version?

CUSC Changes Required:

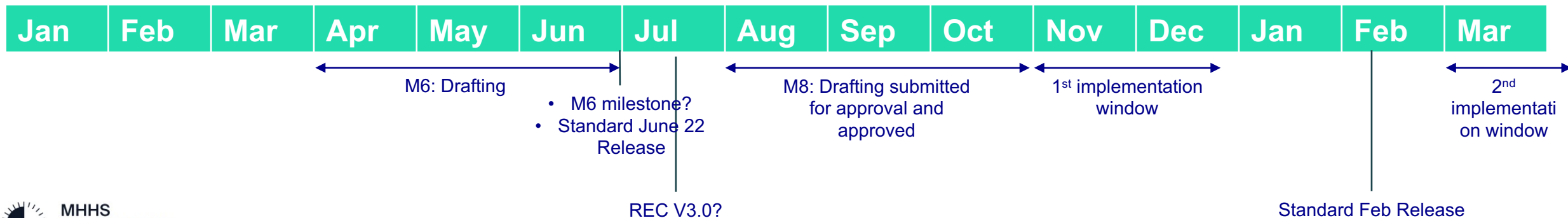
Area	CUSC Section	Further Information
<u>TNUoS</u> Charging Methodology	14	<ul style="list-style-type: none"> • <u>TNUoS</u> Demand charging methodology • data requirements • reconciliation
<u>BSUoS</u>	14	<ul style="list-style-type: none"> • Invoice timings/reconciliation
Security Arrangements	3	<ul style="list-style-type: none"> • Value at Risk • Forecasting Performance
Interpretations/Definitions	11	

TNUoS methodology changes have dependency on Access and Forward Looking Charges Significant Code Review and possible future TNUoS Reform

Assistance for Areas with High Electricity Distribution Costs (AAHEDC) - impact TBC (Licence not code)

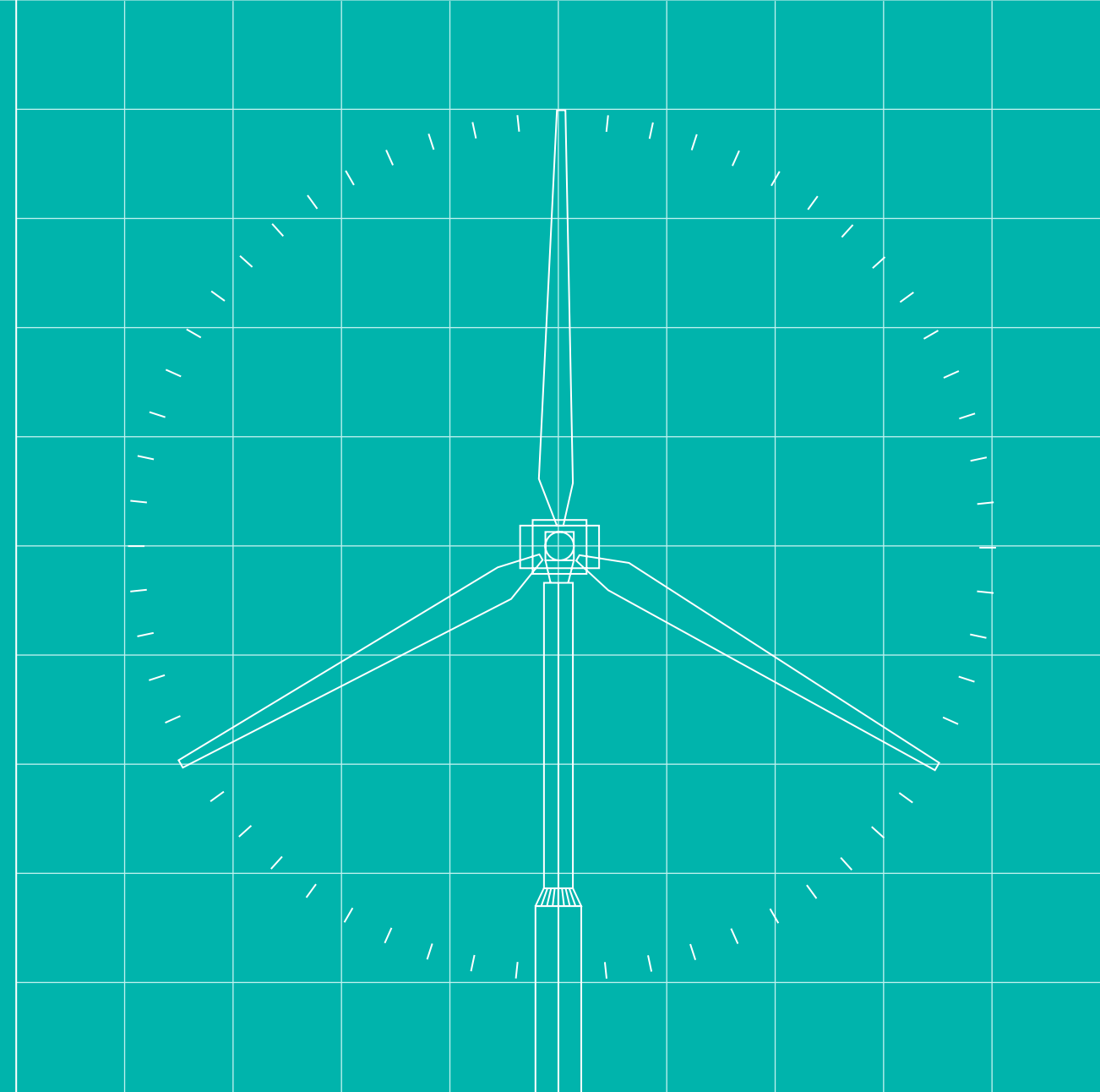
Elexon BSC – Milestone 6 to 8

- Our preference would be for the drafting to be submitted for approval between **August 2022 and October 2022**, with a preference to implement in the standard **November 2022 release** (3 Nov 22) and no later than **Christmas 2022**
- We assume MHHS legal text can be completed **by 30 June 2022**
 - This is qualified on the basis that we do not have a good understanding of which documents will be done when
 - Detailed document plan required
- The longer the period between drafting and approval and approval and implementation the higher the risk that more work will be required (to re-baseline and resolve any manifest errors, conflicts or errors) – we have seen this with P420 (REC V2.0)
- Standard June 22 Release (73 docs impacted) is already full and REC V3.0 changes (19 docs impacted) expected July 22
- We need 4-8 weeks to review and re-baseline MHHS drafting (on top of June 22 and REC V3.0 baselines) – not expected to be a blocker on the assumption REC V3.0 will be approved by May 2022
- High likelihood of issues if try to implement between Christmas 22 and Standard Feb 23 Release (March 23 next earliest implementation for MHHS if not implemented before Christmas 22)
- November 22 Release currently has no approved changes, is date industry is use to working towards and would allow more efficient use of resources (we would propose to allocate changes to Nov 22 by exception)
- Implementation of all documents expected to take minimum 4 weeks



- 13 live CPs (raised not implemented) → all targeting June 22 Release or earlier, no MHHS impacts identified
- 19 live Mods targeting implementation between Feb 22 and Nov 23 (or unallocated)
 - P432 'Half Hourly Settlement for CT Advanced Meters' impacts MHHS Programme
 - No other impacts identified, subject to agreed CCAG process
- Any new changes will be subject to agreed CCAG horizon scanning process

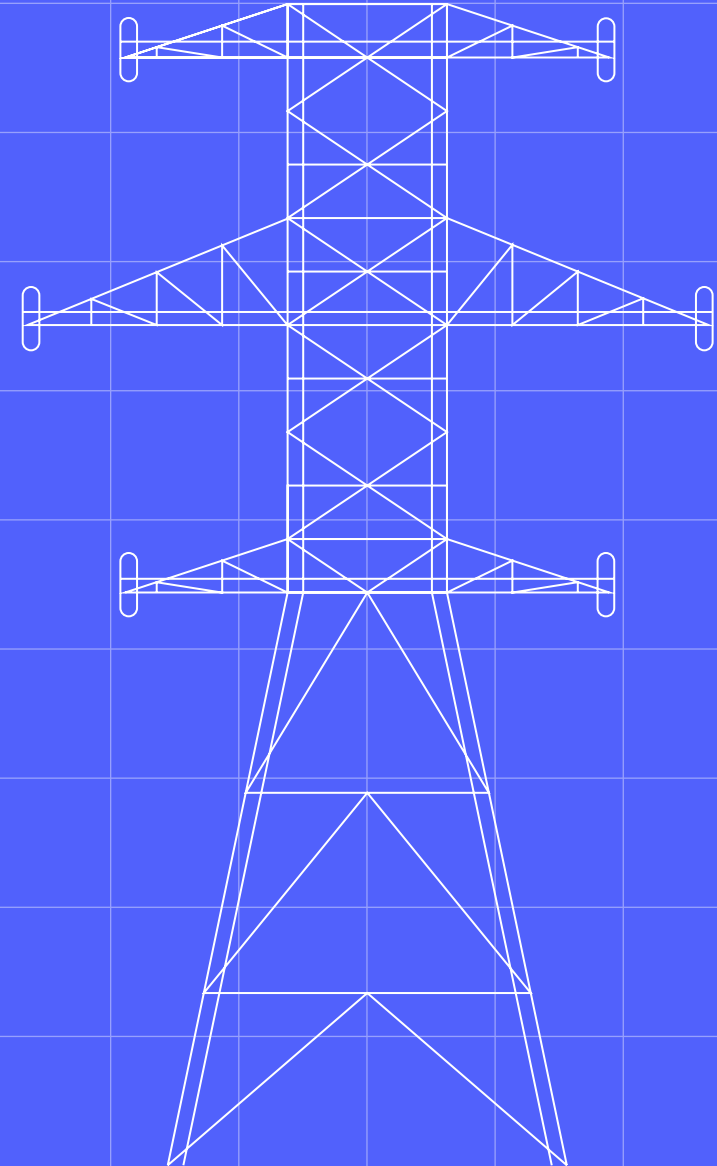
Programme Ways of Working – additional clarifications



Programme Dependencies – Programme Plan Additional Clarifications for discussion:

- a) Drafting, Approval, Releases, Go-Live (timelines, dependencies) – for Open Discussion
- b) Smart Meter Act Power designation – for Open Discussion
- c) When do programme parties want the rule book updating – Suppliers/DNOs/Agents - Request Input

Sign-off



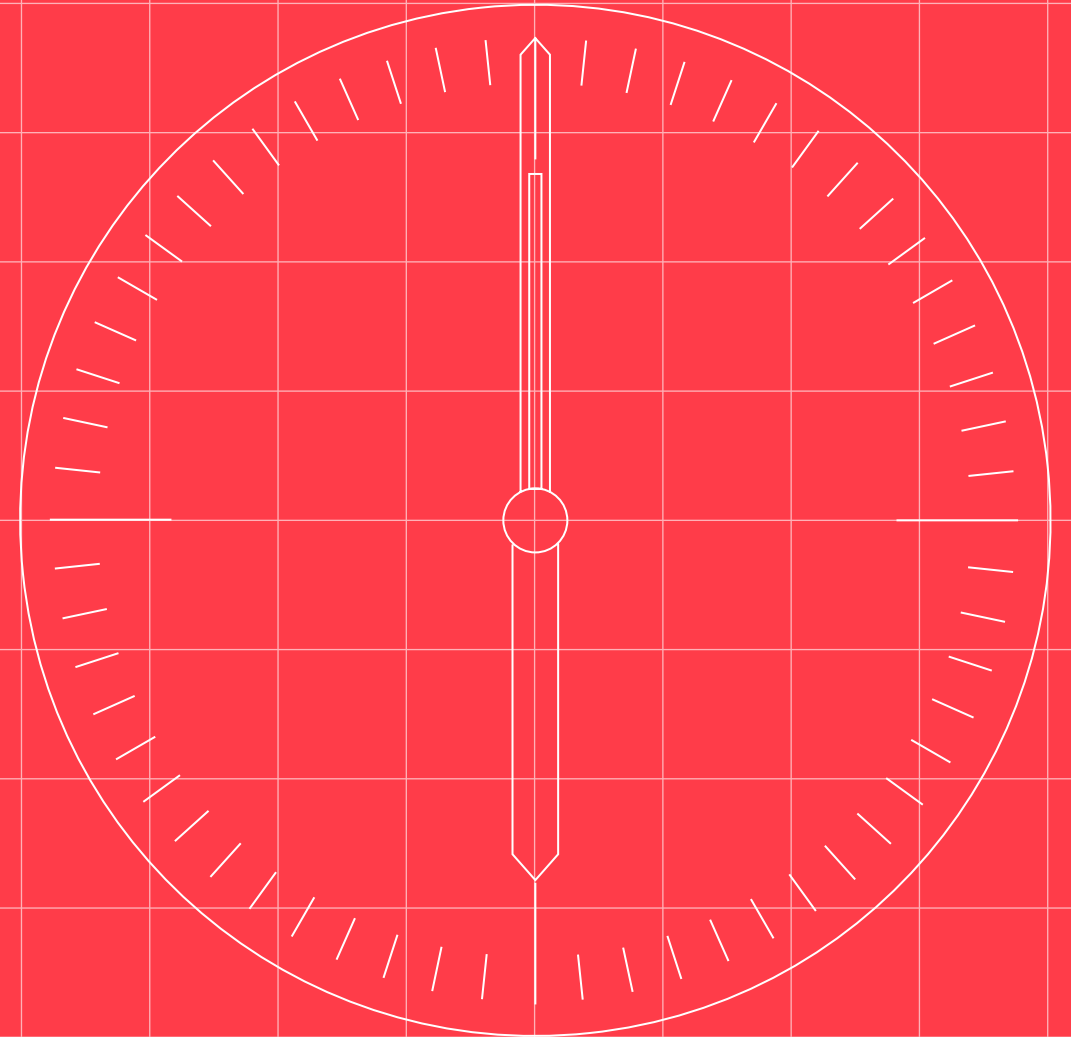
Horizon Scanning Framework:

- a) Approval of MHHSP Industry Change Horizon Scanning Framework (shared with meeting papers)
- b) For discussion:
 - Horizon Scanning submission process e.g. Programme Portal or email
 - Code Change information format

Relevant action

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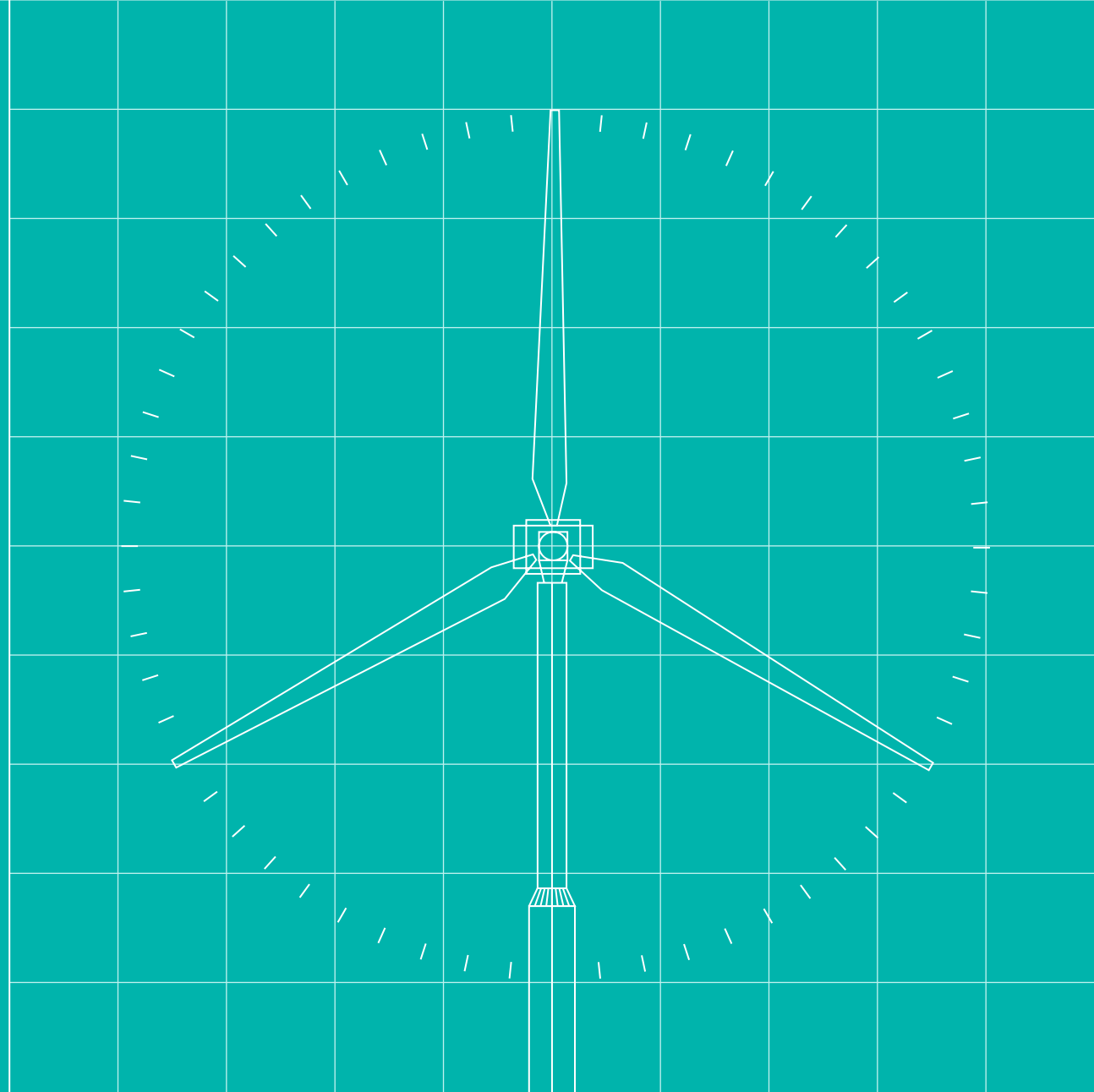
Horizon Scanning



Upcoming Industry Code changes

- a) MP162 Update – DCC to update
- b) Any other changes to raise?

Next steps



Next Steps

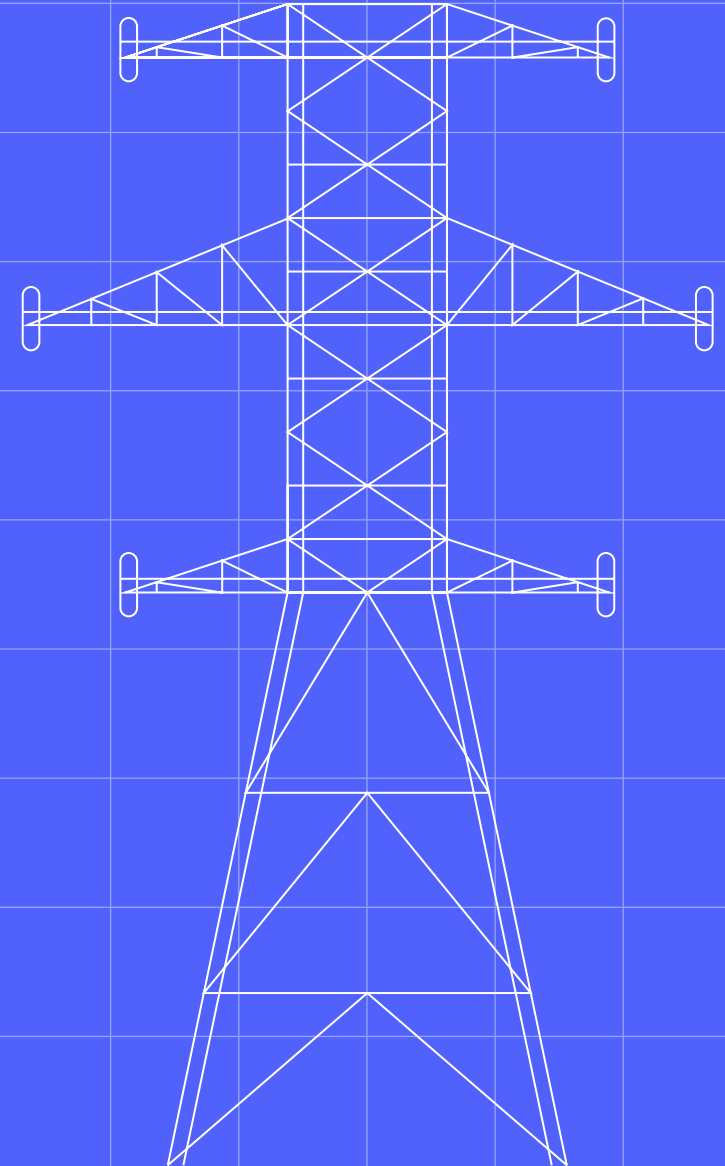
- AOB
- Confirm Actions from meeting
- Date of Next meeting: 23rd February 2022

Contact: PMO@mhhsprogramme.co.uk

Thank you

Appendices

- DAG schedule





Industry-led, Elexon facilitated

MHHS Design Roadmap

Version 0.3

Updated 23 December 2021

MHHS Business Design High Level Activity View

The following slides provide a forward view of the roadmap of topics requiring engagement from programme participants in order to complete the MHHS Design.

The Design process is dependent on 3 key stages of review and approval.

- **Sub-Working Group activity**
 - Relevant subject matter experts in business design, technical design and security are required from all participants to actively engage in the design activity to review lower level detail of design artefacts, resolve issues and recommend options.
- **Level 4 Working Group Review & Approval**
 - Following recommendation of design artefacts for approval by the Sub-Working Groups, documents will be published to all participants in the Level 4 Working Groups for a 2 week period to review and provide comments.
- **Design Advisory Group (DAG) Approval**
 - Final approval of Design Artefacts will reside with the Design Advisory Group.
 - We would look to bring forward the May-22 DAG to enable final approval of the design.

Note: This is a roadmap – and is subject to change dependent on further design issues which may arise during the review activity requiring further prioritisation.

Business Design Working Groups

Sub-Working Group	Jan-22	Feb-22	Mar-22	Apr-22
Smart Market Segment	Review Business Processes and Interfaces	Sub-Group Approval of Business Process and Interfaces	L4 Review and Approval of Business Process & Interfaces	DAG Approval of Business Processes & Interfaces
		Workshop Business Requirements	Sub-Group Approval of Business Requirements	L4 Review and Approval of Business Requirements – pending final DAG approval
Registration	Review Options for Supplier Interaction and Change of Agent	DAG Approval of Direction for Change of Agent / Supplier Interaction		
		Workshop Supplier Interaction and Change of Agent Processes & Interfaces	L4 Approval of Change Supplier Interaction and Change of Agent Processes & Interfaces	L4 Review & Approval of Change of Agent and Supplier Interaction Processes & Interfaces – pending final DAG approval
	Review Core Processes & Interfaces	Sub-Group Approval of Core Processes & Interfaces	L4 Review and Approval of Core Business Process & Interfaces	DAG Approval of Core Business Processes & Interfaces
		Workshop Business Requirements	Sub-Group Approval of Business Requirements	L4 Review and Approval of Business Requirements – pending final DAG approval
Advanced Market Segment	Workshop Processes & Interfaces	Sub-Group Approval of Business Process and Interfaces	L4 Review and Approval of Business Process & Interfaces	DAG Approval of Business Processes & Interfaces
		Workshop of Business Requirements	Sub-Group Approval of Business Requirements	L4 Review and Approval of Business Requirements – pending final DAG approval
Unmetered Market Segment	Workshop Processes & Interfaces	Sub-Group Approval of Business Process and Interfaces	L4 Review and Approval of Business Process & Interfaces	DAG Approval of Business Processes & Interfaces
		Workshop Business Requirements	Sub-Group Approval of Business Requirements	L4 Review and Approval of Business Requirements – pending final DAG approval
Elexon Central Systems	Workshop Business Processes Interfaces and Requirements	Sub-Group Approval of Business Process and Interfaces	L4 Review and Approval of Business Process & Interfaces	DAG Approval of Business Processes & Interfaces
Common Artefacts - ALL Sub-Working Groups		Workshop Common Artefacts	L4 Review of Common Artefacts	DAG Approval of Common Artefacts

Technical Design & Security Working Groups

Sub-Working Group	Jan-22	Feb-22	Mar-22	Apr-22
Technical Design	Sub-Group Approval of DIP Functional Specification	L4 Review and Approval of DIP Functional Specification	DAG Approval of DIP Functional Specification	
	Sub-Group Approval of Architecture Principles	L4 Review and Approval of Architecture Principles	DAG Approval of Architecture Principles	
	Sub-Group Approval of Non-Functional Requirements	L4 Review and Approval of Non-Functional Requirements	DAG Approval of Non-Functional Requirements	
		Sub-Group Approval of E2E Non-Functional Requirements	L4 Review and Approval of E2E Non-Functional Requirements	DAG Approval of E2E Non-Functional Requirements
			Sub-Group Approval of E2E Solution Architecture	L4 Review and Approval of E2E Solution Architecture – pending final DAG approval
Security	Sub-Group Review of DPIA	Sub-Group Approval of DPIA		L4 Review and Approval of DPIA – pending final DAG approval
	Sub-Group Review of Code of Connections Guidance	Sub-Group Approval of Code of Connections Guidance		L4 Review and Approval of Code of Connections Guidance – pending final DAG approval
	Sub-Group Review of MHHS E2E Security Requirements		Sub-Group Approval of MHHS E2E Security Requirements	L4 Review and Approval of MHHS E2E Security Requirements – pending final DAG approval
	Sub-Group Review of MHHS E2E Security Architecture		Sub-Group Approval of MHHS E2E Security Architecture	L4 Review and Approval of MHHS E2E Security Architecture – pending final DAG approval

Note: In addition we will also be setting up a Consequential Change Impact Assessment Group during Q1- dates to be confirmed

Thank you