MHHS PROGRAMME

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# Cross Code Advisory Group #25
20 December 2023

Version 1.0

MHHS DEL2072

Agenda

#	Item	Objective	Type	Lead	Time	Page
1	Welcome			Chair	14:00-14:05 *5 mins*	2
2	Minutes and Actions	Approve minutes of previous meeting and review outstanding actions	Decision	Chair & Secretariat	14:05-14:15 *10 mins*	3
3	Programme Updates	Updates from MHHS Programme governance groups and the wider Programme	Information	Programme (PMO)	14:15-14:20 *5 mins*	5
4	Horizon Scanning Log	Updates from all Code Bodies and the Programme on changes which may impact MHHS Programme	Discussion	Programme & Code Bodies	14:20-14:45 *25 mins*	7
5	CDWG Escalations	No items raised at CDWG	Information	Programme (Chris Welby)	14:45-14:45 *0 mins*	17
6	CCAG Reporting, Risks and Milestones	• Overall Programme status, risks and milestones updates • Planning update, Change Control and Change Freeze	Information	Programme (Andrew Margan)	14:45-15:05 *20 mins*	18
7	Consequential Code Change Delivery	Consequential Code Change delivery updates	Information	Elexon, NGESO	15:05-15:15 *10 mins*	31
8	CDWG Update	Updates from the Code Drafting Working Group (CDWG)	Information	Programme (Andrew Margan)	15:15-15:20 *5 mins*	36
9	DIP Code/Rules and Issue 101	Update on the DIP Manager Issue 101 Code Approach and consultation	Information	Elexon (Chris Wood)	15:20-15:30 *10 mins*	38
10	Summary and Next Steps	Summarise meeting actions and next steps	Information	Chair & Secretariat	15:30-15:35 *5 mins*	44
11	Appendices	*Appendix 1 - Code POAP*				

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Minutes and Actions

DECISION: Approve minutes of previous meeting and review outstanding actions

Chair & Secretariat

10 mins

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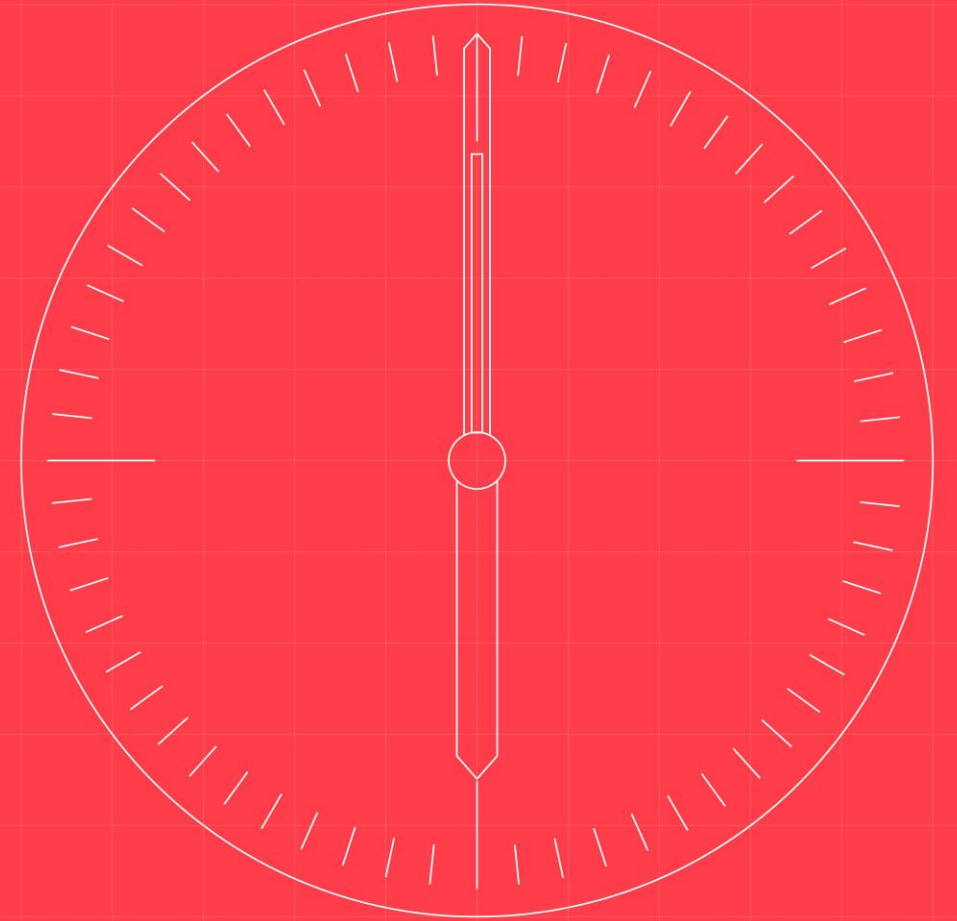
Minutes and Actions (1/1)

- Approval of change marked [Headline Report and Minutes of CCAG meeting held 22 November 2023.](#)
- Review of outstanding actions:

Ref	Action	Owner	Due Date	Status	Update
CCAG24-01	BSC and Programme to have further discussions on the sequence of the two parallel changes on CP1589 and to communicate this out to appropriate parties.	BSC (Lawrence Jones)	20/12/23	Recommend Closed	We are drafting a MHHS CR, as we understand the MHHS design will need to be amended to accommodate CP1589. The MHHS CR will determine the impacts to the MHHS design and when the change can be made. We will therefore defer the CP1589 decision (made by SVG), currently scheduled for 9 January 2024, until after the outcome of the MHHS CR. This way SVG will be able to take into consideration the MHHS impact assessment when making its decision. *(update provided 12/12/23).* Any further details to be provided as a verbal update during the meeting.
CCAG24-02	Programme to set out the code change control process in more detail, and present back to CCAG members.	Programme (Andrew Margan)	20/12/23	Open	Actioned. See item 6 – Change Control
CCAG24-03	Elexon to send over details on the consequential change documents in the PAB papers to the Programme, and to communicate this out via The Clock.	Elexon (Christopher Day)	20/12/23	Recommend Closed	Elexon consequential change comm included in The Clock in December.
CCAG24-04	Elexon to confirm internally on the questions around the bulk CoA.	Elexon (Christopher Day)	20/12/23	Open	Verbal update to be provided during the meeting. Plan to switch off obligations via PAB approval.
CCAG24-05	Programme to send out Risk reference and mitigating action for risk of mismatches between Programme and enduring DIP onboarding processes.	Programme (Jason Brogden)	20/12/23	Recommend Closed	R707 raised regarding DIP onboarding and code alignment risk, with mitigation actions.
CCAG24-06	Programme to invite Chris Wood to December CCAG.	Programme (Andrew Margan)	20/12/23	Recommend Closed	Actioned. See Item 9 – DIP Update

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Programme Updates

INFORMATION: Updates from MHHS Programme governance groups and the wider Programme

Programme (PMO)

5 mins

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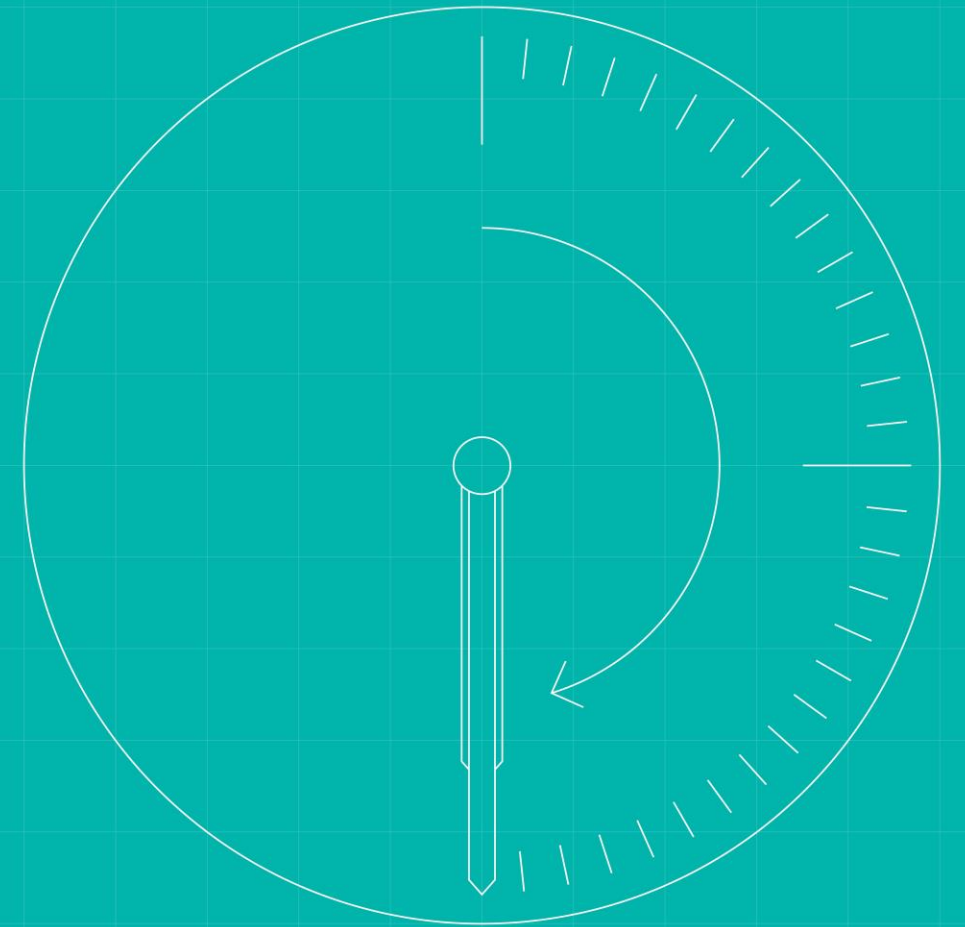
Governance group updates

Programme Steering Group (PSG)

Updates from PSG 08 November 2023

1. **Qualification Testing:** Code Bodies and the Programme provided updates on Qualification Testing (QT), noting the need for urgency. Code Bodies will retain overall accountability for delivery and the Programme will support QT for non-SIT LDSO in the lead up to Programme milestone M10 (Central systems ready for migrating MPANs), including seeking to align QT and SIT to support use of the Placing Reliance Policy. An overview of the schedule for test execution was provided in the meeting papers. Updates on Supplier and Agent qualification will be provided at the December PSG meeting.

2. **MHHS Appeals Process:** Recommendations for improvements to appeals and escalation processes were accepted and will be implemented in due course.

3. **TMAG Restructure:** Recommendations for a restructuring of the Testing and Migration Advisory Group (TMAG) were accepted and will be delivered via a Programme Change Request.

PSG papers available here.

Testing and Migration Advisory Group (TMAG)

Update from TMAG 20 November 2023

1. **Migration Threshold document:** TMAG members approved this document.
2. **T2 Readiness Assessment for CIT Interval 3:** TMAG members approved the Readiness Assessment, following a recommendation from FTIG.
3. **Environments Approach and Plan (SIT Functional) v2.9:** The TMAG members approved this document.
4. **TMAG Approval Process.** The Programme shared the new method for level 2 and 3 approvals with TMAG.
5. **TMAG restructure:** The Programme shared the proposed the new TMAG structure.
6. **Qualification Update:** The Programme provided an update on Qualification.
7. **Testing Update:** The Programme provided an update on Testing.
8. **IPA Test Assurance Update:** The IPA provided an update on P1 and P2 Test Assurance.
9. **3 Month Milestone Look Ahead & Milestone Changes:** The TMAG approved milestone changes to the Programme Plan.

TMAG papers available here

Design Advisory Group (DAG)

Updates from DAG 08 November 2023

1. **CR032 Decision:** The DAG requested updates are made to Programme Change Request (CR) 032 (Change to Interface IF-165 P0210 TUoS Reporting) and the CR re-issued for a five working day Impact Assessment (IA).
2. **CR034 Impact Assessment:** The DAG approved CR034 (Delay to Elexon Level 4 validation response – NFR (1009)) for issue to IA, subject to requested amendments
3. **Transition Design Decision:** DAG approved the baselining of the Tranche 2 Transition Design Artefacts (Settlement Timetable Transition).
4. **UTC vs Clock Time Decision:** DAG approved the use of Clock Time for Change of Supplier reads and Service Appointments and for this to form the basis of a new CR to enable formal Impact Assessment.
5. **Updates to the Interface Code of Connections (CoCo):** DAG deferred a decision on the updated CoCo whilst updates agreed at the SDWG are applied. The redlined CoCo will be issued to SDWG attendees for review and an ex-committee approval decision sought from the DAG.

DAG papers available here

Cross Code Advisory Group (CCAG)

Update from CCAG 22 November 2023

1. **Horizon Scanning Log:** For BSC, CP1589, CP1590 were discussed. For REC, R0083, R0083A, R0026, R0043, R0065, R0081 were discussed, for DCUSA, DCP419 was discussed. There were no new changes that the Programme believed will impact them.
2. **CDWG Escalations:** The CCAG approved the BSC and REC Migration, Governance and Qualification Code Artefacts.
3. **CCAG Reporting, Risks and Milestones:** The Programme shared an update on the Code workstreams status against the plan, including top programme risks related to CCAG, and an overview of the Mop-up approach and controls.
4. **Consequential Code Change Delivery:** Updates from Elexon and NGESO were provided in relation to their delivery status.
5. **CDWG Update:** The Programme provided an overview from CDWG.

CCAG papers available here

Wider Programme Updates

Programme News
- **The Clock is taking a short festive break:** This week is the last issue of The Clock for 2023, and we'll be back on **Wednesday 3 January 2024**.
- **Christmas working arrangements:** From **Friday 22 December 2023** to **Tuesday 2 January 2024** there will be no MHHS governance meetings, and we won't publish any documents for formal review. For any in-flight consultations, PPIRs, or other review requests, we will treat this period as non-working days, allow additional time for responses.
- **Programme Change Freeze:** At last week's PSG on **6 December 2023**, industry representatives formalised a Programme Change Freeze. The purpose of the Change Freeze is to address instability during Programme delivery, implementation and go-live that creates risk for the Programme, Code Bodies and Programme participants.

Participant Checklist:
There are a few updates this week, so this week's Participant Checklist includes the following items for Programme participant review, feedback and awareness:
1. Systems Integration Testing (SIT) Advisory Group (SITAG), Migration & Cutover Advisory Group (MCAG), Qualification Advisory Group (QAG): Call for Nominations – the deadline is **Wednesday 20 December 2023**
2. Code Topic Mop Up 1 Consultation – the deadline is **Tuesday 2 January 2024**
3. Placing Reliance Form – deadline for Licensed Distribution System Operators (LDSOs) ONLY **is Friday 5 January 2023**
4. MHHS Impacts to Data Transfer Network (DTN) Flows Consultation – the deadline is Friday 5 January 2023
5. Design Interim Release 5.2 published
6. Design Interim Release 2.3 Data Integration Platform (DIP) Simulator uplift
7. Change Request CR035 approved by the Programme Steering Group (PSG)
You can view the **Participant Checklist** on the respective **Planning pages** of the Collaboration Base and the MHHS website.

Upcoming Governance Meetings:
- **Tuesday 19 December 2023:** Non-Functional Testing Working Group (NFTWG)
- **Wednesday 20 December 2023:** Testing and Migration Advisory Group (TMAG)
- **Wednesday 20 December 2023:** Cross-Code Advisory Group (CCAG)
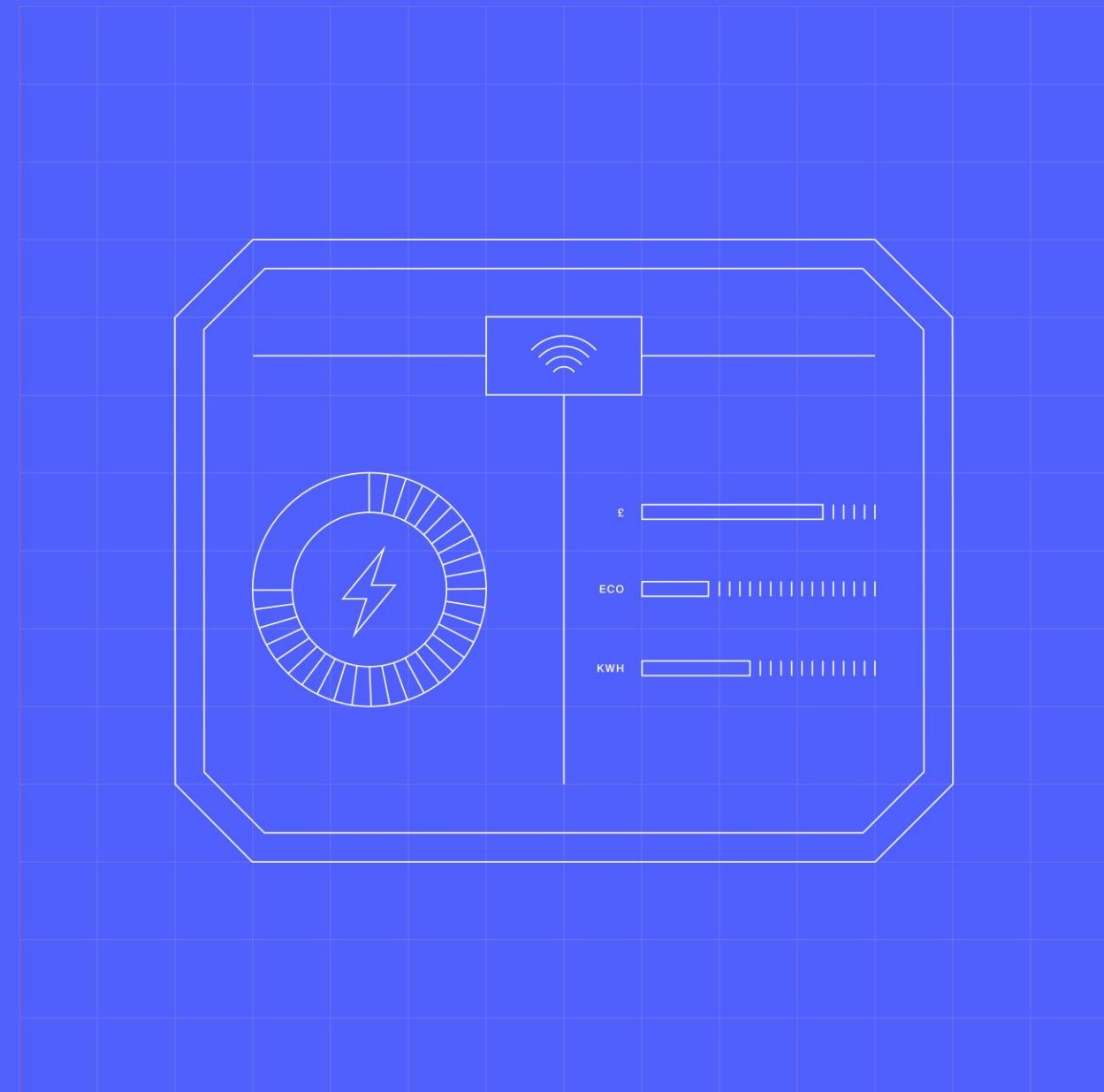
Upcoming Governance Meetings:
- **Change Proposal CP1589: Create Additional Market Participant Role Codes:** Elexon request that parties please respond to the CP1589 Consultation by **17:00** on **Friday 15 December 2023**. For more information please visit the CP1589 page of the Elexon website.
- **Elexon's Code drafting to prepare for Market-wide Half-Hourly Settlement (MHHS):** Elexon is taking these documents to the Performance Assurance Board (PAB) PAB275 meeting on **14 December 2023** for endorsement. The assurance code drafting will be sent for consultation on **19 February 2024**. For more information and to find out which BSC documents are impacted, please see the news section of the Elexon website.

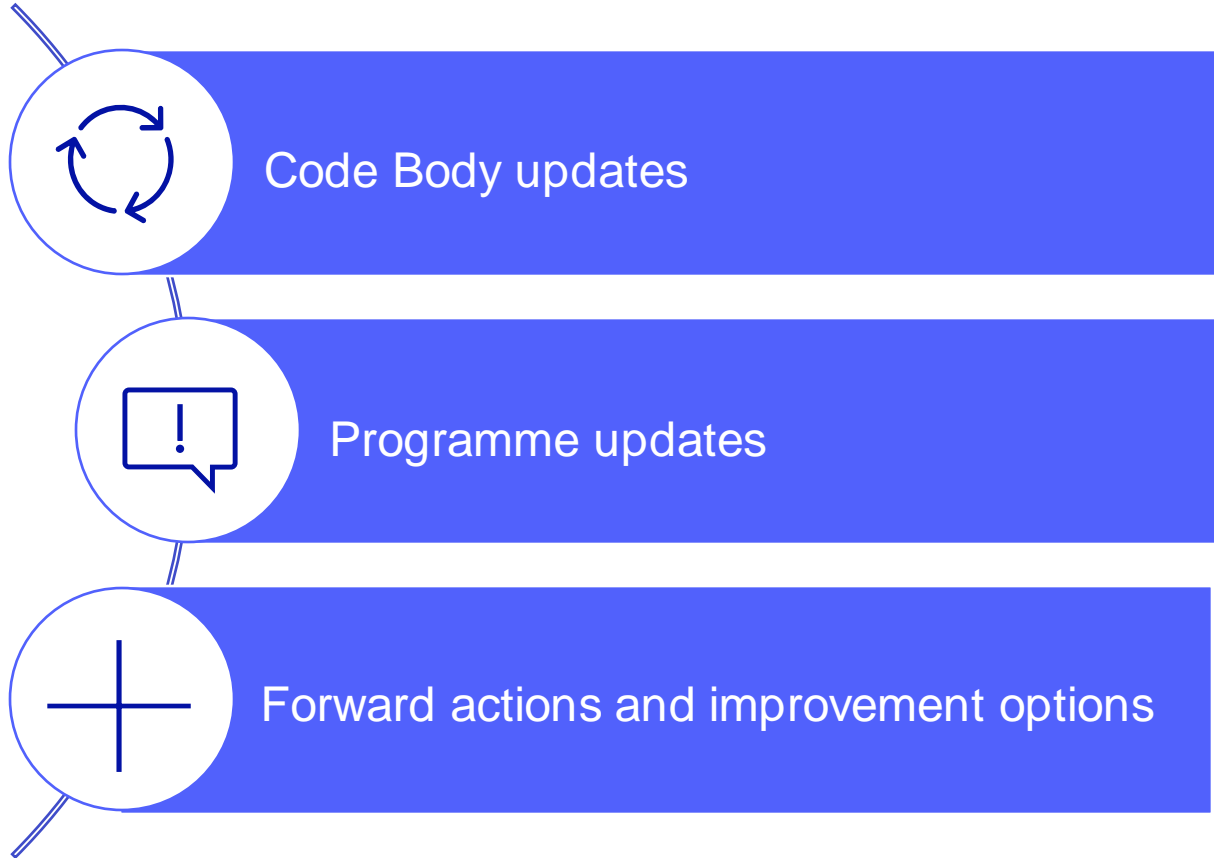**PROGRAMME**
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Horizon Scanning Log

DISCUSSION: Updates from all Code Bodies and the Programme on changes which may impact MHHS Programme
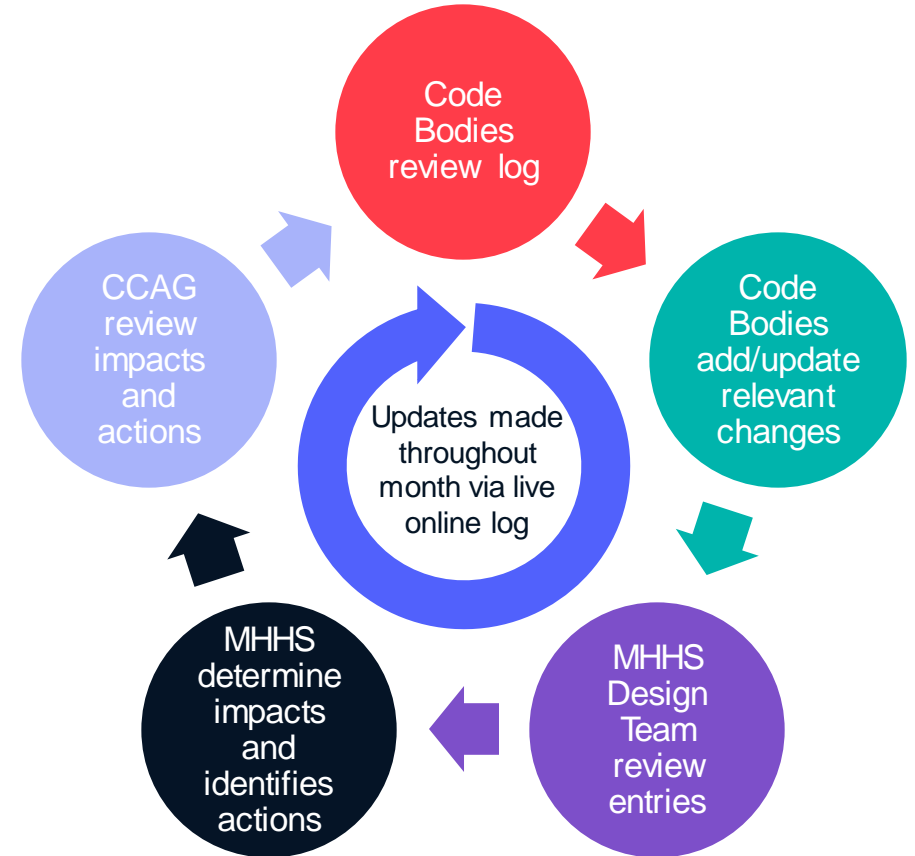
Programme & Code Bodies

25 mins

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CCAG Horizon Scanning Log 26 July 2023

Code Body updates

Programme updates

Forward actions and improvement options

Reminder: Horizon Scanning Log Process

Code Bodies review log

Code Bodies add/update relevant changes

Updates made throughout month via live online log

CCAG review impacts and actions

MHHS Design Team review entries

MHHS determine impacts and identifies actions

Live log available on the Programme Collaboration Base – please contact PPC@mhhsprogramme.co.uk if you require access

Direct link: MHHS-DEL387_CCAG Code Change Horizon Scanning Log v1.0

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Change Title DCP419		Pre-Notifications of Planned Supply De-Energisations					
Change Summary:		To ensure that all DCUSA Parties, that de-energise metering equipment as part of any planned work, provide the Distributor with advance notification of the supply interruption.					
Stakeholder positions:		Based on the consultation responses, Distributors in support, suppliers are against or seek an alternative approach					
Date raised	06/03/2023	Status	Consultation (an RFI closes 31/10/23)	Decision date	TBC	MHHS Impact	New data flow or amendments to the D0368

Change Title	CP1589 - Create Additional Market Participant Role Codes
Change Summary:	Currently, all the alphanumeric Role Codes have been allocated and are either in use or have been reserved by the Market Wide Half Hourly Settlement (MHHS) Programme for use from the beginning of the MHHS Transition Period. Although some Role Codes will become available after the end of the MHHS Transition Period, which is scheduled for late 2026, it is highly likely that there will be a need for new Role Codes to be allocated before then. In order for new Market Roles to be created in the future, a change to the format of the 'Market Participant Role Code' Data Item is required to increase the number of available Role Codes. Moving to a two-character alphanumeric value would provide many new Market Participant Role Codes. A MHHS CR and Helix CR will be needed to assess and implement this change. We have previously flagged this proposal to MHHS/Helix and CCAG and welcome further discussion on the timing of the CRs.
Stakeholder positions:	TBC

Date raised	7 November 2023	Status	CP Consultation	Decision date	9 January 2024	MHHS Impact	CR needed: Design impacted

Change Title	CP1590 - Enabling use of DTN agent appointments process for P434					
Change Summary:	This change will enable Suppliers who may be considering the use of DTN derived dataflows to meet the requirements from P434 to migrate their UMS portfolios over the 12 months up to the UMS mandate go live date e.g. Suppliers with large portfolios of NHH UMS MSIDs who are seeking to automate the CoMC of the relevant NHH UMS MSID to HH settlement. This should not directly impact MHHS design or code drafting. Rather it will facilitate MHHS migration, as the MHHS plan assumes NHH UMS will have already have completed the CoMC to HH under P434.					
Stakeholder positions:	Panel recommend approval 5 WDs after approval Consultation respondents support proposal					
Date raised	7 November 2023	Status	CP Consultation	Decision date	9 January 2024	MHHS Impact	No impact

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Change Title	**DP256 - "**SEC Alignment with DCC SMETS1 MHHS Capacity Requirements"
Change Summary:	To support MHHS, the DCC are planning to utilise S1SP data caching, a technical feature which is already in existence. DCC propose codifying this process into the SEC, via a text-only change to the SEC to define how the DCC will process SMETS1 service responses, once the solution is implemented. There is no impact to MHHS design. There will be no additional costs to implement this modification. Costs are limited to SECAS time and effort. Implementation is targeted for 27 June 2024 (June 2024 SEC Release).
Stakeholder positions:	DP256 being presented to Change Sub Committee 19 December 23 for decision to progress.

Date raised	07/12/23	Status	DRAFT	Decision date	TBC	MHHS Impact	NO.

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Change Title	R0043 - Commissioning of Works using shared Meter Operator services by the Crowded Meter Room Co-ordinator (CMRC)				
Change Summary:	This Change Proposal will introduce new processes which will allow a Crowded Meter Room Co-ordinator (CMRC) to contract with a REC accredited MEM to act on behalf of the CMRC, so that they may resolve issues on behalf of all Registered Suppliers within that meter room. The MEMs undertaking this work on behalf of the CMRC will be referred to as the Crowded Meter Room MEM (CMRM). **Update 13/12 – Request for determination sent to the Authority on 22/11. Expected date 15/01/24**				
Stakeholder positions:	MEMs, DNOs, Suppliers, Alt HAN Co - supportive				
Date raised:	21/04/22	Status:	**Awaiting Authority Decision**	Decision date:	15/01/2024	MHHS Impact	Of interest

Change Title	R0062 - Removal of ERDA meteringPointEnergyFlow change restriction				
Change Summary:	This change looks to allow DNOs to make more than one change to the Energy Direction in ERDS, to improve data accuracy without requiring a new RMP. The MHHS Design reflects the current one-time only restriction. **Update 13/12 – Preliminary Change Report published to be considered by Change Panel for consultation on 19/12. Programme CR to be raised.**				
Stakeholder positions:	DNOs and Suppliers supportive				
Date raised:	28/02/22	Status:	Under Development	Decision date:	TBC	MHHS Impact	Direct impact

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Change Title	R0064 - Creating a Meter Operator Agent and MOCoP Installer					
Change Summary:	This Change Proposal seeks to clarify the obligations of each type of metering provider by reintroducing this distinction between electricity metering providers that were, prior to Retail Code Consolidation, classified as either as Meter Operator Agent or MOCOPA Meter Installers. At Retail Code Consolidation these organisations were merged into a new category, Metering Equipment Managers, which also included gas metering providers. Whilst both types of organisation can provide metering services, not all MEM obligations in the REC apply to both organisations. **Update 13/12 – Consultation published on 07/12, closing on 05/01/2024.**					
Stakeholder positions:	MEMs - TBC					
Date raised:	22/08/22	Status:	**Consultation**	Decision date:	TBC	MHHS Impact	Of interest - Qualification

Change Title	R0093 - Uplift to CSS Maximum Demand Volumes during MHHS Migration Period					
Change Summary:	This CP seeks to make the necessary updates to the REC, primarily the CSS Service Definition, to ensure that the CSS Provider is appropriately prepared for the increase in CSS message volumes that will be created during MHHS migration. **Update 13/12 – Consultation published on 01/12, closing on 15/12.**					
Stakeholder positions:	TBC					
Date raised	08/02/23	Status	**Consultation**	Decision date	TBC	MHHS Impact	Of Interest

Change Title	R0150 - On-site Aggregation as a method to facilitate Third Party Access - BSC P455				
Change Summary:	Following the progress of BSC modification P455 to allow on-site aggregation as a method for third party access on private networks, the Code Manager is required to amend the REC to place a requirement on the Meter Equipment Managers (MEMs) appointed by the boundary points Electricity Supplier, to rectify any faults found with the sub-meters used in the on-site aggregation methodology. **Update 13/12 – New CP.**				
Stakeholder positions:	TBC				
Date raised: 13/11/23	Status:	Under Development	Decision date:	TBC	MHHS Impact	Of interest

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Change Title	R0117 - Retrospective Implementation of Distribution Code Use of System Agreement (DCUSA) DCP 383				
Change Summary:	DCP 383, implemented in February 2022, allows the DNO to move existing whole current meters and associated metering equipment as part of a service alteration. DCUSA impacted parties were identified as Suppliers, DNOs and IDNOs, however, as part of the legal text and changes to the Data Specification, Meter Equipment Managers (MEMs) are also impacted. This Change Proposal picks up the REC consequential change that will provide the associated MEM process. **Update 13/12 – CP has been withdrawn.**				
Stakeholder positions:	n/a				
Date raised:	12/05/23	Status:	**Withdrawn**	Decision date:	n/a	MHHS Impact	Of interest

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CDWG Escalations

DECISION: No items raised

Programme (Chris Welby)

0 mins

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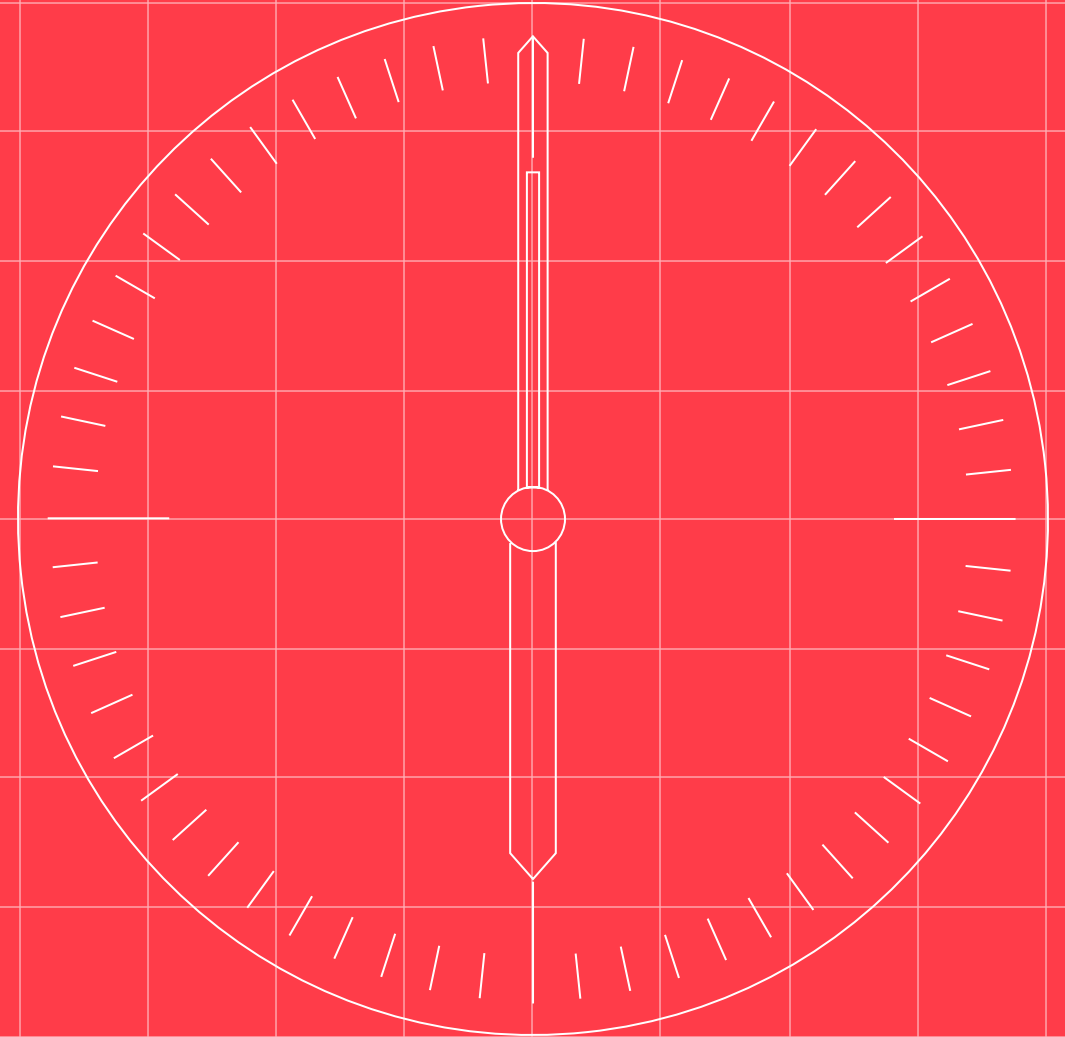
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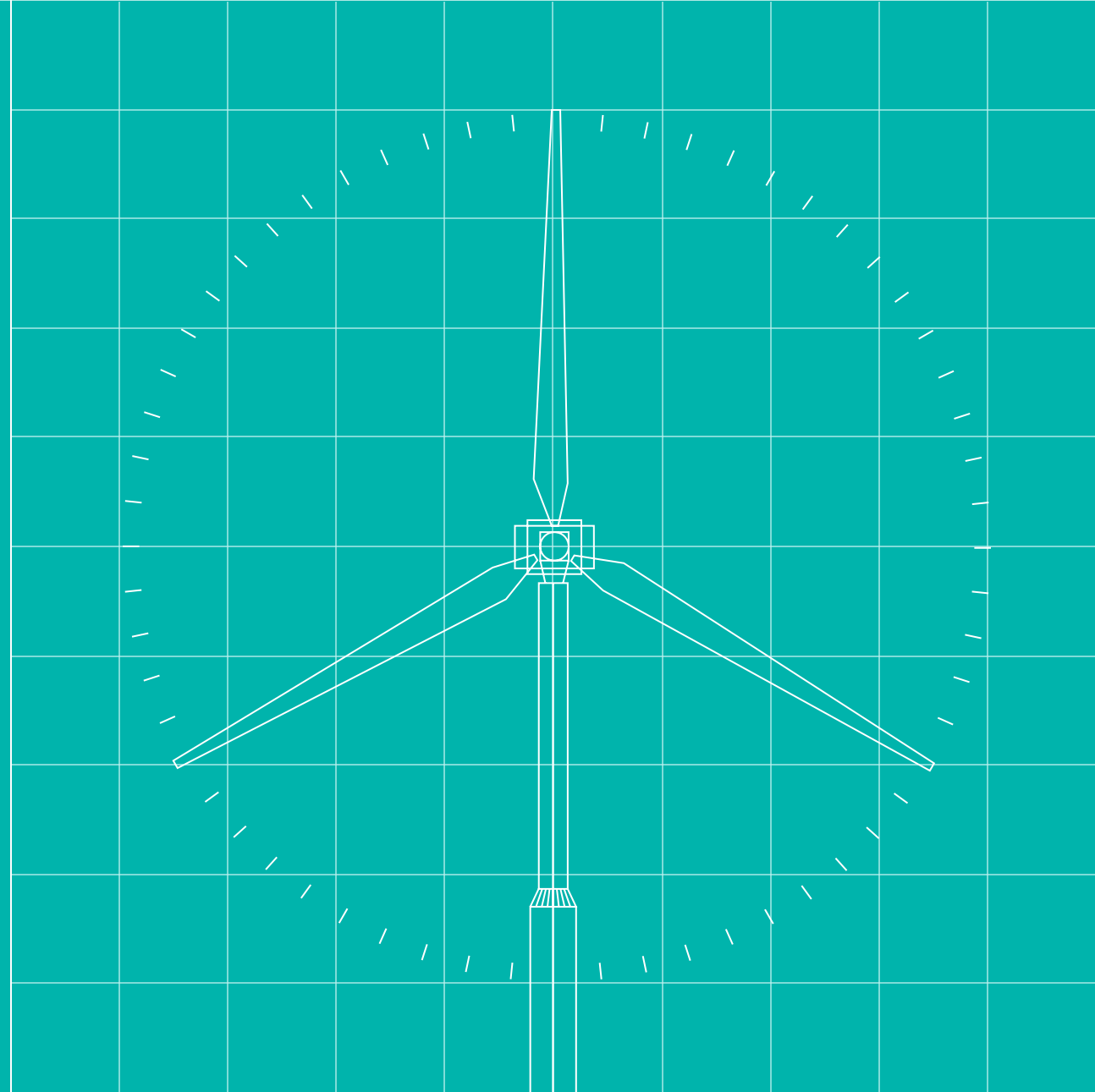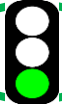
CCAG Reporting, Risks and Milestones

INFORMATION / DECISION:
- Overall Programme status, risks and milestones updates
- Planning update, Change Control and Change Freeze

Programme (Andrew Margan)

20 minutes

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Overall Status

- The Code Drafting Workstream is on track for M6 delivery in August 2024 and lower-level tier 3 milestones are all on track

December Summary

- Tranche 4, Interface/Data Specification and Transition Text assurance stage closed 13/12, ready for the approval stage
- Mop-up 1 consultation sent on time 30/11 and closes on 02/01
- Mop-up 2 consultation planning started

January Deliverables

- Tranche 4 Interface/Data Specification and Transition Text to be sent to CDWG for recommendation before approval request escalated to CCAG
- Mop-Up 1 closes on 02/01, and triage and comments process starts

| Drafting Milestones	Baseline date	Forecast date	Status
Data Services approved at CCAG	24/05/23	24/05/23	Complete
Metering Services approved at CCAG	24/05/23	24/05/23	Complete
Registration approved at CCAG	23/08/23	23/08/23	Complete
BSC Central Services approved at CCAG	27/09/23	27/09/23	Complete
Governance, Migration and Qualification approved at CCAG	22/11//23	22/11/23	Complete
Transition Text and Interfaces approved at CCAG	24/01/24	24/01/24	Green
Topic Area Mop Up approved at CCAG	22/05/24	22/05/24	Green
Consequential Change approved at CCAG	22/05/24	22/05/24	Green
Finalise and consistency check approved at CCAG	23/08/24	23/08/24	Green
Code changes baselined (M6)	23/08/24	23/08/24	Green
Smart Meters Act powers enabled (M7)	11/11/24	11/11/24	Green
Code changes delivered (M8)	07/03/25	07/03/25	Green

Top Programme Risks related to CCAG

Risk/Issue ID	Risk description	Risk impact	RAG	Mitigation
R485	There is a risk that the Design or queries related to Design are not completed or provided in time and as a result do not provide the information required to enable Code drafting delivery	A delay to resolving Design queries will result in a delay to Code delivery	*(yellow)*	1) Design process (DIN Process) set up to resolve Design queries 2) Amend Code Drafting Plan to accommodate outstanding Design areas 3) Monitor DIN Volumes 4) Code is baselined against a point in time and after this time, changes are picked up by a CR or post M6 agreed process.
R202	There is a risk that Programme testing may identify changes to baselined code and require code updates and further code releases after initial code changes have been approved	This may result in additional time being required to deliver code updates, delaying M6 and/or M8	*(yellow)*	1)Monthly meeting in place between Test and Code to monitor likely volume of changes to Design and by association Code 2)To ensure the change control process is followed correctly and test item volume known by Code team 3)Ongoing engagement on how code change will be managed
R355	There is a risk that Consequential Change solutions are not approved by responsible parties in advance of the associated Code Drafting topics being started	Delays to the programme in drafting and subsequently approving consequential change, impacting M6	*(yellow)*	1)Monthly meeting in place between the Programme and Code Bodies to monitor and track progress. 2) Reporting to industry on a monthly basis via CCAG. 3) Decouple CCC from programme governance and progress via Code governance route
R455	There is a risk that the SCR consultation process highlights issues that require resolution in the Programme	This could result in additional activities to resolve regulatory issues over and above those defined in the plan	*(yellow)*	1)SMAP and SCR Powers will be invoked regardless of risk which should give us powers to make changes to resolve issues but there would likely be additional activities to undertake 2)MHHS Programme Code finalisation and consistency check will consult participants to ensure that due process has been followed to mitigate the risk of any party raising concerns in the later SCR consultation
R402	There is a risk that Ofgem designate code changes using their SCR powers rather than Smart Meter act powers, adds risk and dependencies on external party delivery	Using SCR powers means that each code will have to raise a SCR mod and consult, whereas using SMA powers Ofgem would do one consultation.	*(yellow)*	1) Monitor plan to ensure SCR powers don't delay M7/M8 2) Monitor compressed SCR mod timescales to reduce timelines 3) Code Bodies follow MHHSP/Ofgem SCR plan 4) Document detailed approach with Ofgem to ensure this aligns with M6-M8 activity/plan 5)Host regular meetings with Ofgem and delivery partners (Code Bodies) to monitor and manage progress

All CCAG related risks RAG status
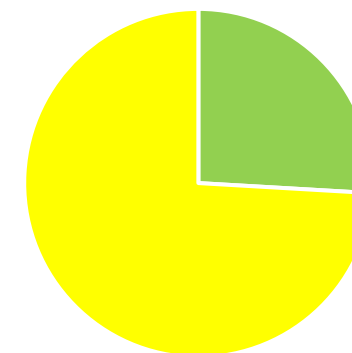
- ■ Medium risks ■ Low risks

CCAG risk count

Current Risk Count
Previous Risk Count

0 5 10 15 20 25 30
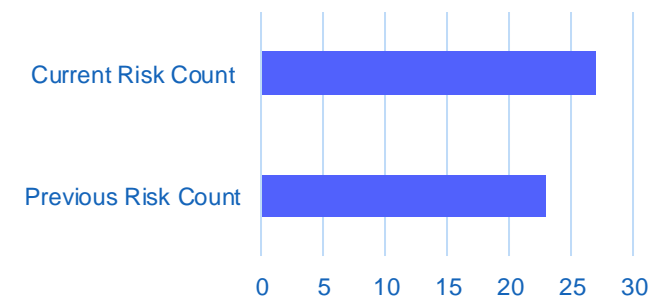
RAG key
- ■ Critical
- ■ High
- ■ Medium
- ■ Low

Code Drafting Plan Update – Future Activities

Key:
- Industry Consultation
- CCAG
- CDWG
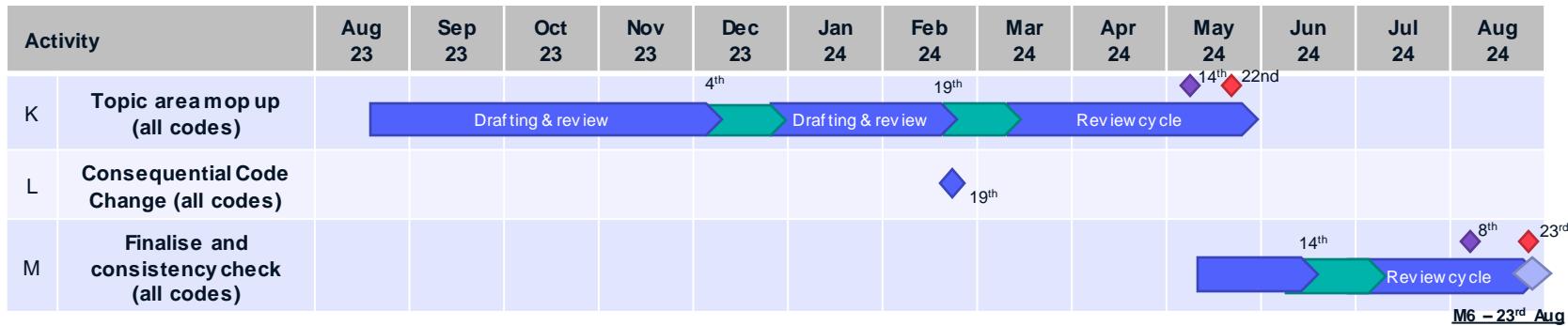- Consequential code change consultation

Code Drafting Topics have completed

Mop-up stage ongoing

BSC and CUSC Consequential Code Change will be consulted on in February (see next slide)

February's Mop-up 2 consultation will also be a final consultation on published Code Artefacts (see next slide)

The finalisation and consistency check is to track all Code requirements to Design requirements (see subsequent slide)

The finalisation and consistency check will also consult if parties believe due process has been followed (see subsequent slide)

Activity		Aug 23	Sep 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	Mar 24	Apr 24	May 24	Jun 24	Jul 24	Aug 24
K	Topic area mop up (all codes)	Drafting & review				4th Drafting & review		19th	Review cycle		14th 22nd			
L	Consequential Code Change (all codes)							19th						
M	Finalise and consistency check (all codes)									14th	Review cycle		8th	23rd

M6 – 23rd Aug

How will any last-minute changes be incorporated into text pre/post M6?

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February Consultation Planned Activity (Mop-up 2)

The February consultation will include -

1. BSC artefacts will be updated to include IR7 – changes are expected to be light

2. REC artefacts will be updated to include IR7 – medium impact on interfaces and wider REC drafting

3. BSC Consequential Code Change (Assurance) delivery – medium change impact

4. CUSC Consequential Code Change delivery – medium change impact

5. A final review of all published Code Artefacts

- Please note for the final review (item 5) will include a lot of documents to review. To focus the final review, the Programme will produce a matrix to direct constituency to specific artefacts for review

- After this final review, the plan is to stabilise code and not to re-consult on consulted artefacts

How will any last-minute changes be incorporated into text pre/post M6?

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Finalisation and Consistency Check Approach

The finalisation and consistency check is NOT to consult on Code Artefacts again – Code Artefacts will have had multiple consultations already!

Objective 1 - to reverse engineer the traceability matrix to track every Code requirement to a Design requirement and complete a final consistency check
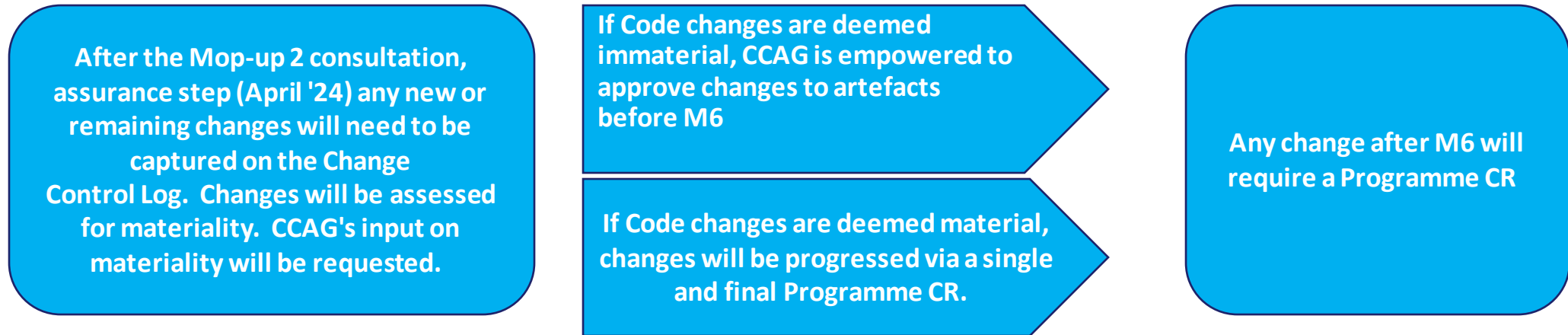* e.g. fix numbering, formatting etc

Objective 2 - to confirm if due process has been followed
* Have parties been able to be engage with the Code Workstream?
* Have parties been able to input into and Code Artefact consultations?
* Have comments from parties to correct text been addressed?
* Have the Design Artefact been correctly translated into Code?
* Do the Code Artefacts make sense? - Plain text test!

How will any last-minute changes be incorporated into text pre/post M6?

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Managing Final Code Changes

Code will need to reflect changes to the Design pre/post M6. These include CRs, DINs and testing outputs. Code also needs to be stabilised ahead of the M6 CCAG approval and M7 Significant Code Review modifications. How will these changes be incorporated into Code Pre/Post M6?
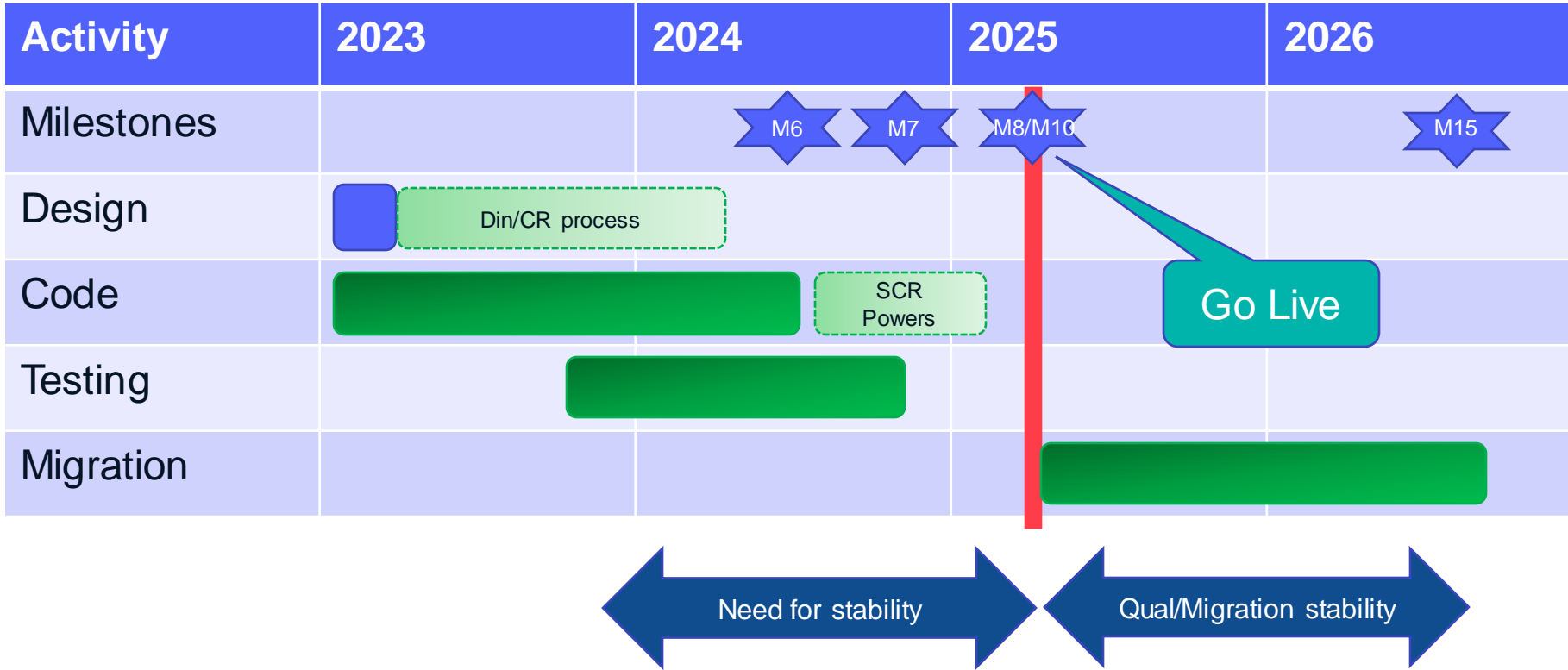
After the Mop-up 2 consultation, assurance step (April '24) any new or remaining changes will need to be captured on the Change Control Log. Changes will be assessed for materiality. CCAG's input on materiality will be requested.

If Code changes are deemed immaterial, CCAG is empowered to approve changes to artefacts before M6

If Code changes are deemed material, changes will be progressed via a single and final Programme CR.

Any change after M6 will require a Programme CR

Assumptions

Changes to Code after April are likely to be low in number and more easily tracked

All Programme CRs will follow the existing Programme CR process, and assigned to CCAG as the level 3 decision group

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Programme and Change Freeze Timelines – Update from PSG

Activity	2023	2024	2025	2026
Milestones		⬥ M6 ⬥ M7	⬥ M8/M10	⬥ M15
Design	◼	Din/CR process		
Code		(green bar) SCR Powers		
Testing		(green bar)		
Migration			(green bar)	

Go Live

← Need for stability →   ← Qual/Migration stability →

Key points

- Programme PCR required for IA and Implementation date
- Implementation deferred to post M8/M10
- Post M8/M10 changes are BAU, unless impacting Qualification/Migration
- Materially impacting Qualification/Migration implementation deferred later eg post-M15

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How will Change be assessed during this Change Freeze?

Milestone	Target Operating Model (TOM) Change Status	External Changes that impact the MHHS TOM	External Changes that have no impact on the MHHS TOM
Pre-M9	Changes accepted to improve the Design.	Need a Programme Change Request (CR) to implement.	No impact.
Post M9	Design changes are only accepted if without which the system would not work. "Nice to haves" will go into the backlog. Only P1 and P2 defects are facilitated post M9 pre M10. P3 and P4 defects going into the backlog.	Need a Programme CR to confirm impact, and assessment as whether it meets "TOM deficiency" threshold. **Or** are strategically important that Ofgem accepts the impact on the MHHS timetable.	No impact.
Post M6	Design Change as above, but extended to Code Changes so they must meet the deficiency in the Code threshold	Need a Programme CR to confirm impact, and assessment as whether it meets to "TOM deficiency" threshold. **Or** are strategically important that Ofgem accepts the impact on the MHHS timetable.	No Impact.
Post M8 and M10	Design changes are Business As Usual (BAU) (with relevant Code Body) unless they impact the migration process. Same for Code Changes.	Design Changes are BAU with relevant Code Body unless they impact the migration process. Same for Code Changes. A Programme CR impact assessment is required against the migration process.	No impact.
Post M15	All Changes are BAU.	All Changes are BAU.	No impact.

External Changes

- Ofgem supports the need for a Change Freeze:
    - Ofgem will make decisions on whether to approve external changes that may impact the MHHS TOM.
    - Ofgem will also be required to approve Programme decisions that are over a Level 1 threshold.
    - The Programme will continue to meet with Ofgem regularly on any license changes that may impact the Programme.
- All electricity Code Bodies will continue to engage MHHS Programme for all changes which may impact the Programme via Cross Code Advisory Group (CCAG) (and bilaterally).

Internal Changes

- Programme change is centrally managed by the Programme Change Management Approach via the Change Board and coordinated via the CCAG Horizon Scanning process.
- The MHHS Change Board will continue to oversee all Changes to ensure cross-Programme impact is understood.
- Defects and Design Issue Notifications (DINs) raised by Programme participants during Testing. The Programme will focus on those DINs that impact on our ability to proceed to future milestones or go-live. Other non-urgent DINs will be logged but scheduled for post go-live.

Change Freeze Solution

Principles – applies to change which impacts MHHS Programme

- Change threshold increased to essential change only – i.e. to fix the Design
- External Code Modifications/CPs are not progressed to approval until after Programme CR approved
- External Code change implementation deferred to post Go-live (M8/M10) (Design/Code/Testing impacted)
- External Code change implementation deferred to post Migration complete (M15) (Migration impacted)
- Where there is a non-impacting Programme Change – e.g., gas change – this proceeds as normal

Approach, criteria and scope

- Via CCAG, SRO communicates to Code Bodies and Ofgem the need for Code Freeze – (change freeze to Design, Code, Testing etc.)
- All electricity Code Bodies continue to engage MHHS Programme for all change which 'may' impact the Programme via CCAG (and bilaterally)
- Change is centrally managed and coordinated via CCAG Horizon Scanning process
- Pre-M6 implementation possible, provide Programme CR approved
- Pre-M8, impacting change, implementation is deferred until after go-live
- Post M8/M10, Code change follows BAU Code Body Process
- Until M15, Code change process MUST assess for material impacts to MHHS Migration
- Immaterial Code change is possible providing Programme engagement – to enable minor non-impacting and/or non-material change

Controls

- CCAG make recommendation to SRO and SRO escalates to PSG for their awareness and Programme Reps cascade to all Participants (plus The Clock and other Programme comms)
- CCAG Horizon Scanning Process and Log
- Communication/reminder to Code Body Panels – MHHS SCR Process – not to progress Programme impacting change to implementation
- Programme Code Body Mid-month Meeting and bilateral meetings with MHHS Programme
- Ofgem oversight as Regulator (change approver)

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Principles

If a change <u>may</u> impact MHHS, Code Bodies will engage the Programme as soon a reasonably practical to assess the change and agree the appropriate governance route – Programme CR or Code governance and then Programme CR.

All code change which may impact the Programme will be monitored and controlled via the CCAG Horizon Scanning process.

If agreed to follow the Code governance route -

Code change is not progressed to decision before a Programme CR is approved

Programme CR will deliver the change implementation date

Programme and CCAG are kept fully informed via the Horizon Scanning process

The Code change process MUST NOT delay the MHHS Programme

Steps

If a Code change may impact the MHHS Design or MHHS Programme, Industry/Code Bodies must…

1. Engage the Programme (via bi-laterally or via CCAG Horizon Scanning process) to assess if a Programme CR or Code governance is most appropriate

2. Raise a Programme CR or in agreed circumstances Code Bodies can develop the solution, (but must not progress the change to Panel for decision, before the Programme CR is approved)

3. If the Programme CR is approved the Code change release date must align the Programme implementation date (or a later date)

Guidance

The fastest route to changing the MHHS Design, is a Programme CR

If agreed with the Programme, there are certain circumstances whereby the change is progressed under Code governance to assess the issue and develop the solution (eg Scope, Technical/Expertise)

Any delay during the Code process will not result in a delay to the Programme and may result in implementation delay

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Consequential Code Change Delivery

INFORMATION: Updates from Code Bodies
on Consequential Code Change delivery
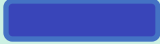*Code Bodies (Elexon, CUSC)*

10 mins

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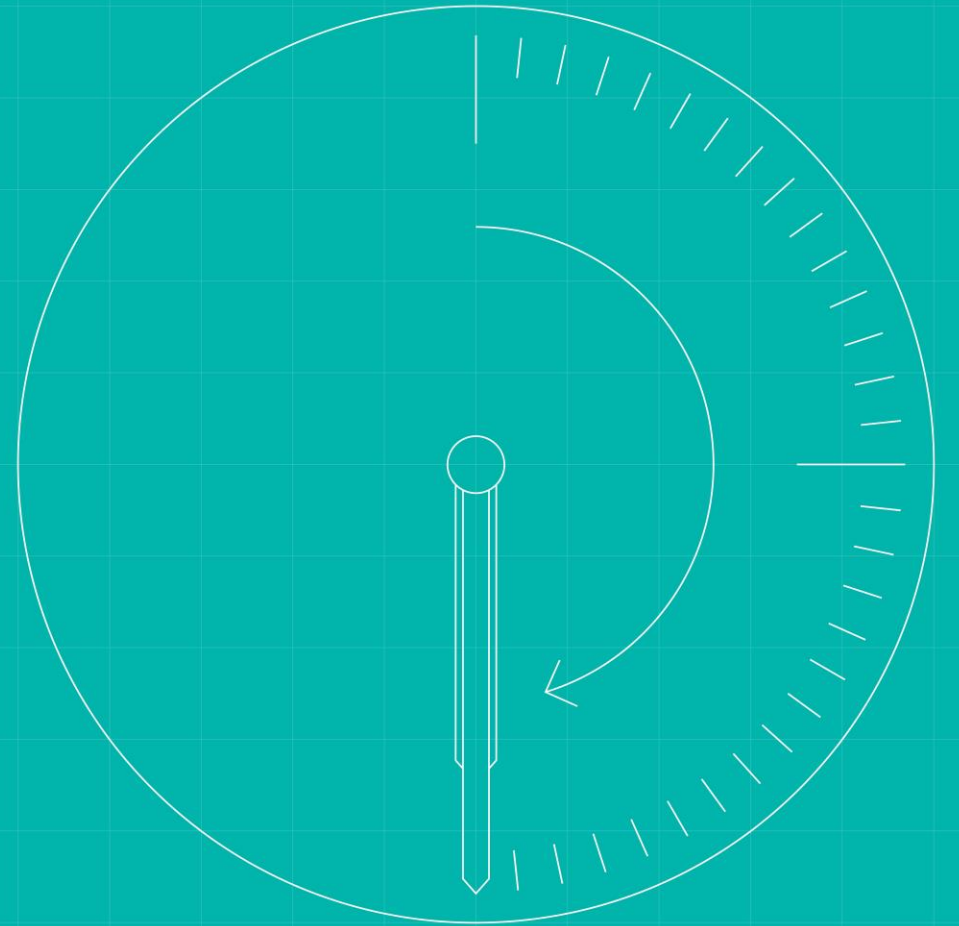
Consequential Change – Performance Assurance (1) on track

		Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24
Supplier Charges, Trading Disputes, Qualification	Code Design & Industry Engagement	███	███					
	Code Drafting			███				
	Define System Requirements			███				
	Review of Code Drafting				███			
	Updates following reviews (inc consolidation)					███		
	PAB Endorsement						🟡	
	Deliver to MHHSP							🔴

		Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24
Performance Standards, Performance Monitoring (inc. Peer Comparison, Material Error Monitoring, PARMS)	Code Design & Industry Engagement	███	███					
	Code Drafting			███				
	Define System Requirements			███				
	Review of Code Drafting				███			
	Updates following reviews (inc consolidation)					███		
	PAB Endorsement						🟡	
	Deliver to MHHSP							🔴

🟡 PAB Meeting: 14 December 2023   🔴 Delivery date: 26 January 2024

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Consequential Change – Performance Assurance (2) on track

		Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24
Section Z Changes	Code Drafting			▰				
	Review of Code Drafting				▰			
	Updates following reviews (inc consolidation)					▰		
	PAB Endorsement						🟡	
	Deliver to MHHSP							🔴

		Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24
BSC Audit, TAM, Breach & Default, Bulk Change of Agent	Review of any changes needed			▰				
	Determine scope			▰				
	Code Drafting				▰			
	Review of Code Drafting					▰		
	Updates following reviews (inc consolidation)						▰	
	Deliver to MHHSP							🔴

🟡 PAB Meeting: 14 December 2023   🔴 Delivery date: 26 January 2024

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- CCAG December 23:

- CUSC Update

- Keren Kelly

national**grid**ESO

Timeline (Indicative)

Timeframe	Group	Action	Delivery Timeline
Short Term – Option 1	TCMF / ESO / Industry / MHHS Programme	• Amend CUSC to remove NHH references (not replaced with anything so consequence would be all sites charged under Triad methodology)	• February 2024 for consultation and to meet M6 • To be implemented in April 2025 for M11
Short Term – Option 2	TCMF / ESO / Industry / MHHS Programme	• Amend CUSC to remove NHH references (replaced with [4pm-7pm peak for all] subject to industry consideration)	• February 2024 for consultation and to meet M6 • To be implemented in April 2025 for M11
Short Term – Option 3	TCMF / ESO / Industry / MHHS Programme	• Amend CUSC to remove NHH references (Both 4pm-7pm peak and Triad methodology would remain, with sites segmented between the two using new MHHS Design Data Items i.e. Domestic Indicator, Connection Type Indicator)	• February 2024 for consultation and to meet M6 • To be implemented in April 2025 for M11
Medium Term	TCMF / ESO / Industry / MHHS Programme	• Establish a Charging Methodology for the Migration Period M11-M15 • Agree correct governance process	• To be delivered to meet M6 • To be implemented in April 2025 for M11
Long Term Agenda (chargingfutures.com)	TNUoS TaskForce: Signals Workstream	• Consider whether Triads are still fit for purpose and whether they need to change/consider alternative solutions • Long Term fixing of TNUoS and the impact on signals	• Earliest implementation date would be April 2026 onwards

CDWG Update

INFORMATION: Updates from the Code Drafting Working Group (CDWG)

Programme (Andrew Margan)

5 mins

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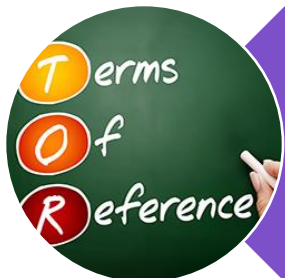
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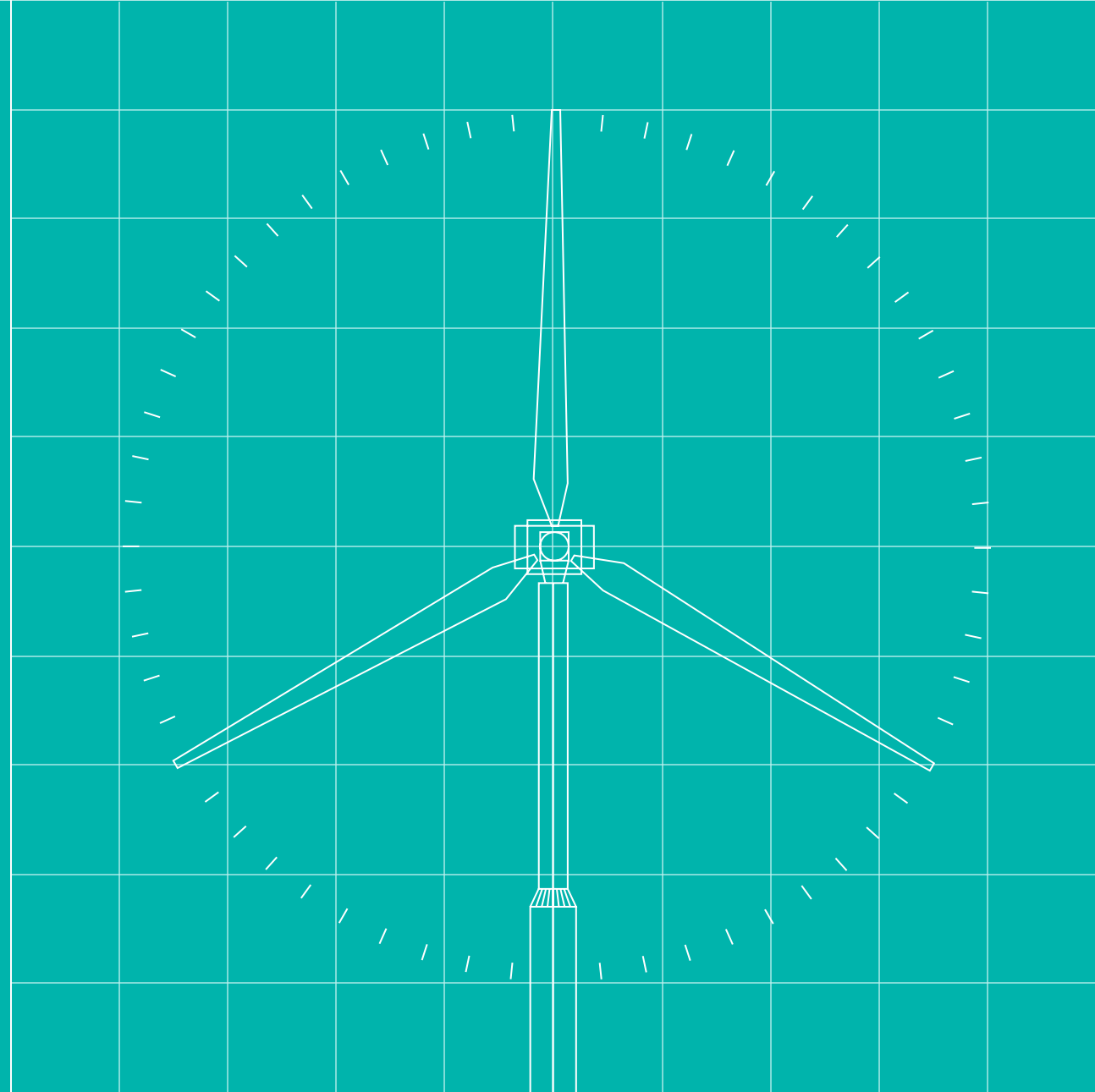
December CDWG update

January CDWG tasks

Upcoming agenda items

CDWG Discussion Topics December

Provided at the workgroup a -

- Tranche 4 Interface, DCUSA, Transition text consultation comments update
- Mop Up 1 consultation update
- Mop-up 2 Approach update
- Change Control and Finalisation/Consistency approach update

CDWG Key January tasks

- Provide Interface/Data Spec, DCUSA and Transition text workgroup recommendation request
- Provide Mop up 1 consultation update
- Present Mop up 2 details and key focus areas

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The CDWG meeting papers and latest Headline Report can be found here

DIP Code/Rules and Issue 101

Information: Update on the DIP Manager Issue 101 Code Approach and consultation

Elexon (Chris Wood)

10 mins

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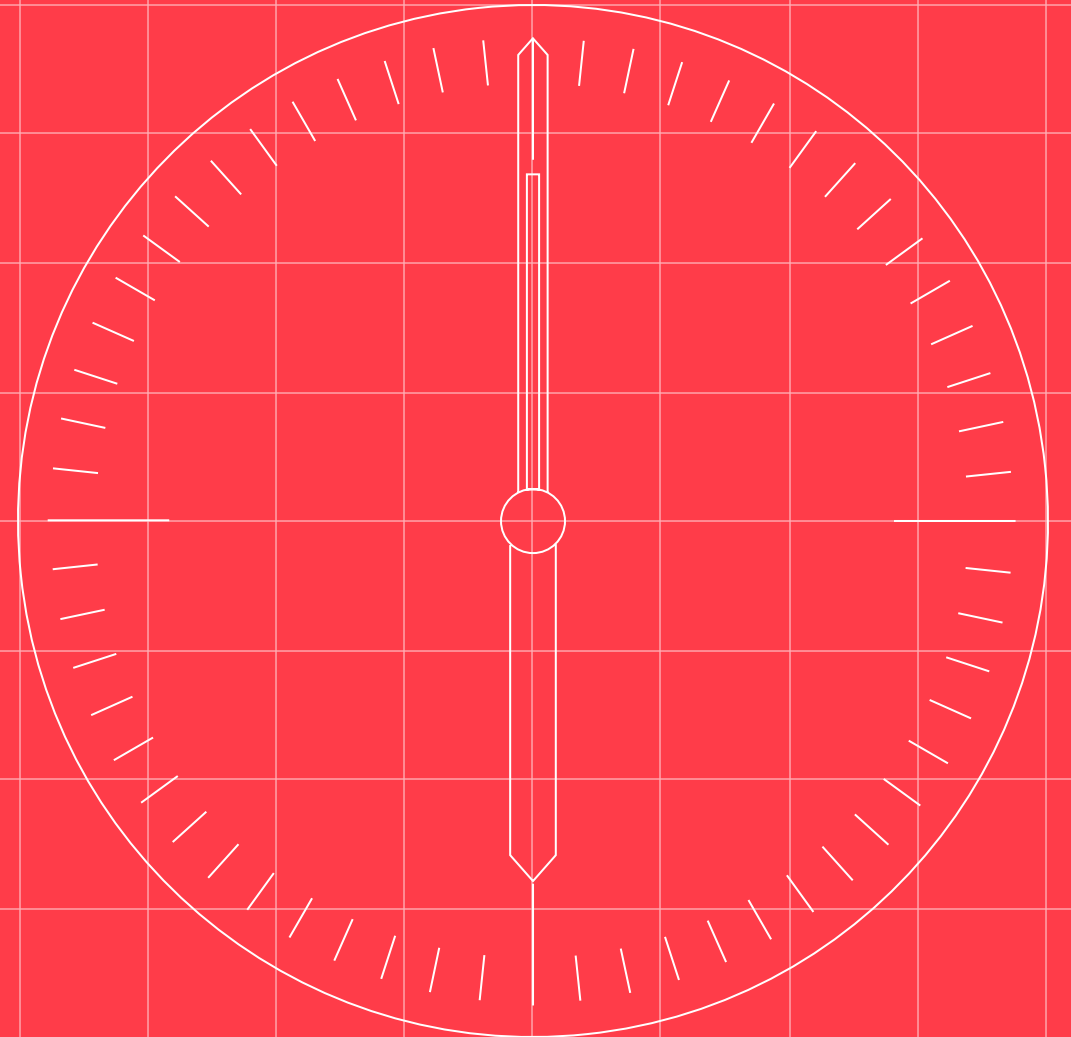
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DIP Legal text

Update on progress and intent

- 12 December 2023

DIP LEGAL TEXT

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High Level Plan to Deliver DIP Solution

Activity	May-23	Jun-23	Jul-23	Aug-23	Sept-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Legal text and DIP Subsidiary Docs											
Onboarding and Offboarding	■	■	■	■							
Data Management and Information Security			■	■	■	■					
Funding and Budget			■	■	■	■					
Change Management and Document Management				■	■	■	■				
Assurance and Reporting					■	■	■				
Governance and Operations Management						■	■	■			
Consult — Industry Consultation									■	■	
Report — Publish Final Issue Report											■

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- We consulted on requirements and the topics in summer 2023
  - Positive feedback beyond Issue Group
  - Publication was included in the Clock following CCAG suggestions
- Initial drafting of legal text is now complete
  - 7 chapters of Code drafting that will form a supplement to the BSC, and six DIP Subsidiary Documents (DSDs)
  - We have shared all drafting with Issue Group Members
  - Consolidation of IG member feedback is taking place – including adding additional information
- We will officially publish for first time in January when we consult
  - We would welcome response form this group
  - We will look to use MHHS resources to raise awareness like we did last time
- We have already checked BSC and REC drafting to date
  - But, we will do a consolidation check in the new year
  - We are happy to respond to final CCAG consolidation consultation when published
- DIP Manager and MHHS Programme have recently discussed with Ofgem – they are happy
  - Issue 101 will submit legal text to Ofgem in late March 2024 – as always planned
  - Ofgem will approve as soon as practical
  - DIP Rules will have staggered implementation to enable transition of DIP 'ownership' from MHHS to DIP Manager at M10
- We are speaking to Code Bodies and MHHS Programme routinely

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THANK YOU

Chris Wood

chris.wood@elexon.co.uk
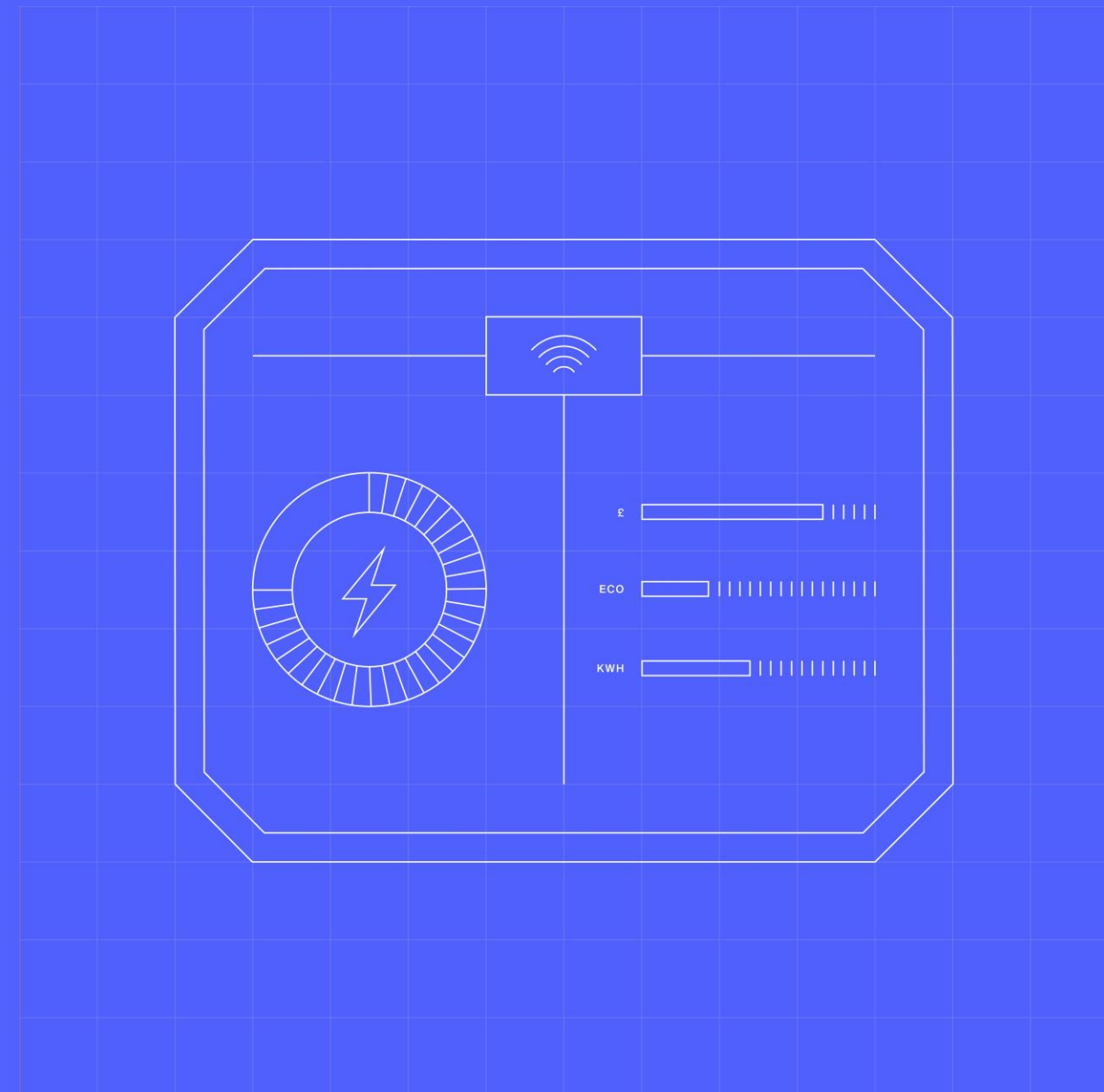
- 12 December 2023

Summary and Next Steps

INFORMATION: Summarise meeting actions and next steps

Chair & Secretariat

5 mins

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Next steps

- Secretariat to confirm actions and decisions from meeting

- Next CDWG1 meeting **16 January 2023** at **10:00am**

- Next CCAG meeting **24 January 2023** at **10:00am**

- Propose to move **January CCAG from 24 January to 23 January** at **14:00pm.**

Meeting dates	24 January	28 February	27 March
Relevant milestones or activities	• Interface/Data Spec, DCUSA and Transition Text	• Mop-up 1 consultation	• M6 SCR Modification
Agenda items	• Interface/Data Spec, DCUSA and Transition Text milestone approval	• Mop-up 1 consultation update	• M6 SCR Modification Planning and Approach
Standing items	• Headline report and actions • Programme updates • Horizon Scanning Log • CCAG Reporting • CDWG Updates • Next steps	• Headline report and actions • Programme updates • Horizon Scanning Log • CCAG Reporting • CDWG Updates • Next steps	• Headline report and actions • Programme updates • Horizon Scanning Log • CCAG Reporting • CDWG Updates • Next steps

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If you would like to request agenda items for the CCAG, please contact PMO@mhhsprogramme.co.uk

Appendices

- *Appendix 1 – Code Drafting POAP*

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Code Drafting POAP

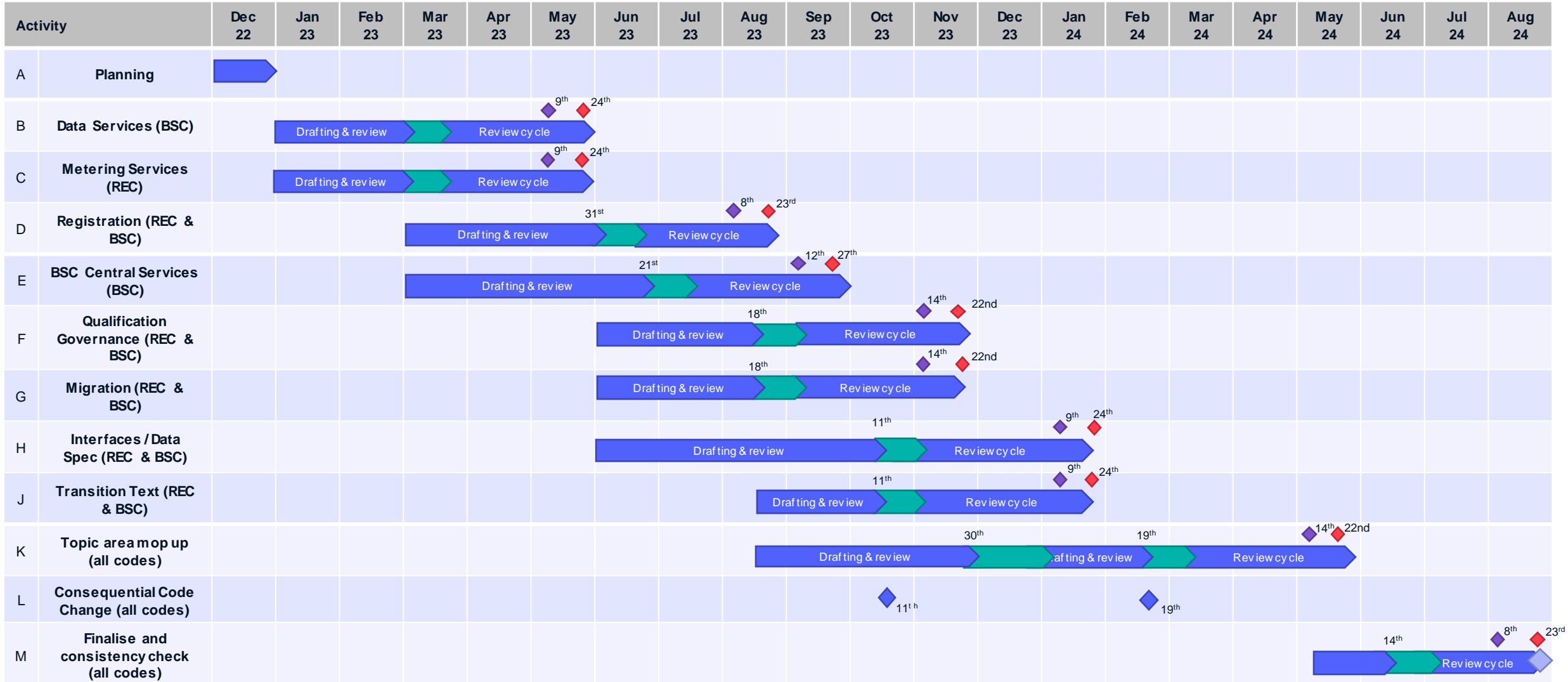|	Industry Consultation		CCAG
	CDWG		Consequential code change consultation

Activity	Dec 22	Jan 23	Feb 23	Mar 23	Apr 23	May 23	Jun 23	Jul 23	Aug 23	Sep 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	Mar 24	Apr 24	May 24	Jun 24	Jul 24	Aug 24
A	Planning																				
B	Data Services (BSC)		Drafting & review → Review cycle			9th 24th															
C	Metering Services (REC)		Drafting & review → Review cycle			9th 24th															
D	Registration (REC & BSC)				Drafting & review → Review cycle	31st			8th 23rd												
E	BSC Central Services (BSC)				Drafting & review → Review cycle	21st				12th 27th											
F	Qualification Governance (REC & BSC)						Drafting & review → Review cycle	18th				14th 22nd									
G	Migration (REC & BSC)						Drafting & review → Review cycle	18th				14th 22nd									
H	Interfaces / Data Spec (REC & BSC)						Drafting & review → Review cycle			11th				9th 24th						
J	Transition Text (REC & BSC)							Drafting & review → Review cycle		11th				9th 24th						
K	Topic area mop up (all codes)							Drafting & review → Drafting & review → Review cycle			30th			19th				14th 22nd		
L	Consequential Code Change (all codes)										11th			19th						
M	Finalise and consistency check (all codes)		8th 23rd														Review cycle 14th		8th 23rd	

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