



MHHS  
PROGRAMME

Industry-led, Elexon facilitated

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# Cross Code Advisory Group #33

## 21 August 2024

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Version 3.0

MHHS DEL2994

Document Classification: Public

# Agenda

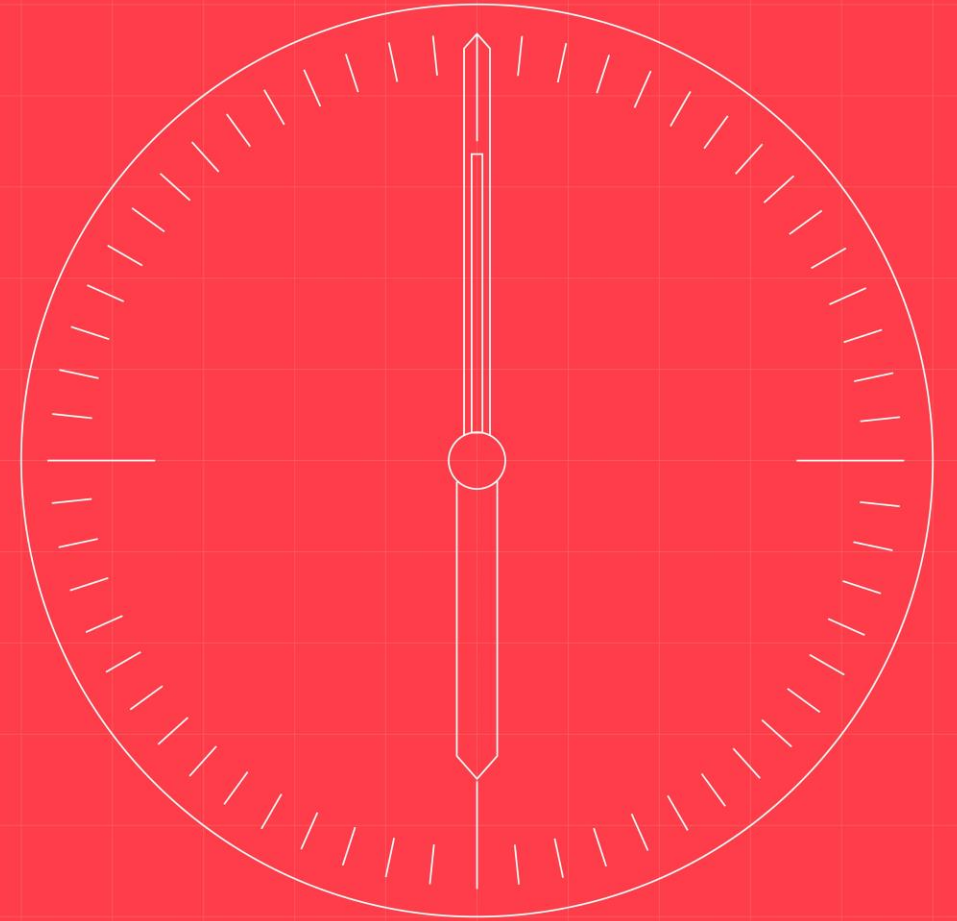
#	Item	Objective	Type	Lead	Time	Page
1	Welcome			Chair	14:00-14:05 5 mins	
2	Minutes and Actions	Approve minutes of previous meeting and review outstanding actions	Decision	Chair & Secretariat	14:05-14:15 10 mins	3
3	Programme Updates	Updates from MHHS Programme governance groups and the wider Programme	Information	Programme (PMO, Jason Brogden)	14:15-14:25 10 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	14:25-14:45 20 mins	10
5	CDWG Escalations	Approval of Code Artefacts (M6) – to formally baseline BSC, REC and DCUSA code changes	Decision	Programme (Andrew Margan) Programme (Chris Welby)	14:45-15:00 15 mins	16
6	M6 Reporting, CCAG Risks and Milestones	Programme status, risks and milestone updates	Information	Programme (Andrew Margan)	15:00-15:10 10 mins	30
7	M7 Delivery Update	Provide an update on Ofgem M7 delivery	Information	Ofgem (Andy McFaul)	15:10-15:25 15 mins	33
8	M8 Code Implementation Update	Provide an update on Code Body M8 Implementation	Information	Code Bodies (Andrew Wallace, Lawrence Jones)	15:25-15:40 15 mins	36
9	CDWG Update	Summary of CDWG meetings	Information	Programme (Andrew Margan)	15:40-15:45 5 mins	39
10	Summary and Next Steps	Summarise meeting actions and next steps	Information	Chair & Secretariat	15:45-15:50 5 mins	41
11	Appendices	Appendix 1 - Code POAP				

# Minutes and Actions

**DECISION:** Approve minutes of previous meeting and review outstanding actions

*Chair & Secretariat*

*10 mins*



## Minutes and Actions

- Approval of Headline Report from CCAG meeting held [24 July 2024](#)
- Review of outstanding actions:

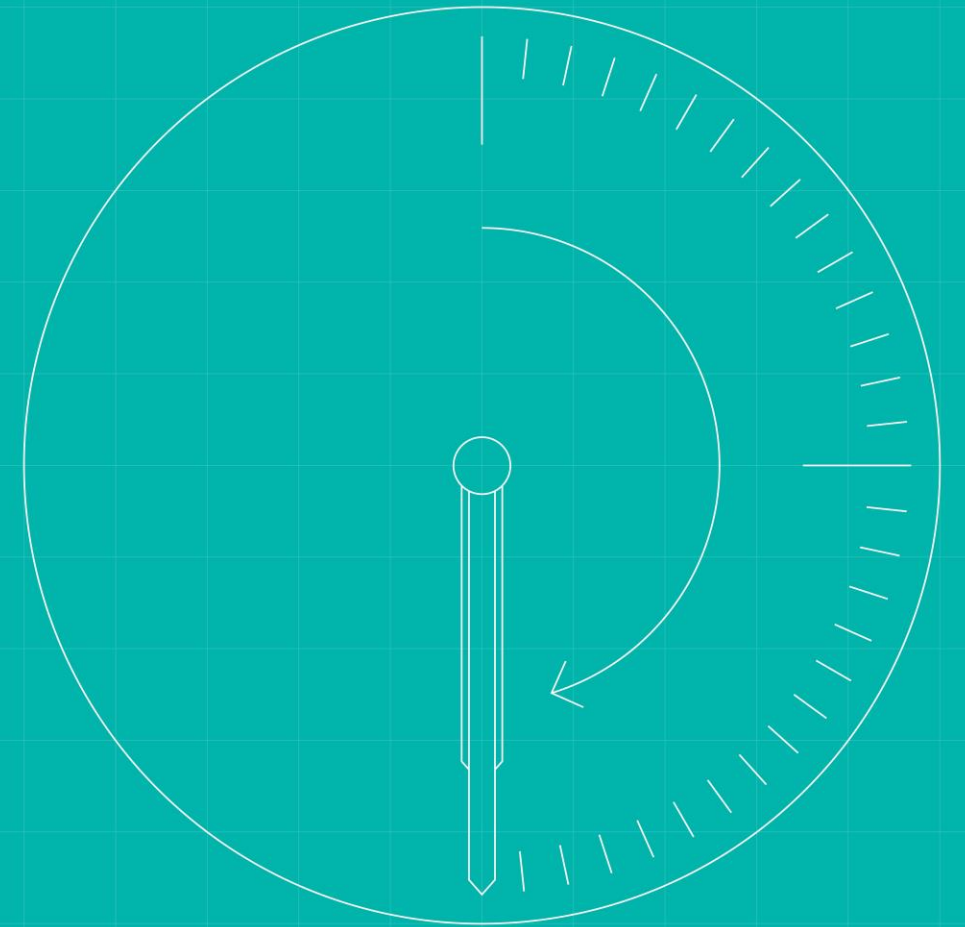
Ref	Date Raised	Action	Owner	Due Date	Update
CCAG32-01	24/07/2024	Contact the main change analyst associated to the DIP mod to confirm that each respondent to P474 is contacted to talk through their concerns.	<b>BSC (Christopher Day)</b>	25/07/24	RECOMMENDED CLOSED: Respondents who raised issues were engaged with during the consultation process, via arranged drop-in sessions, and drafting was updated to ensure their concerns were fully addressed.
CCAG32-02	24/07/2024	Capture the Migration risk that Suppliers may only be able to migrate certain MPANS at certain times of the year to prevent double charging for TNUoS.	<b>Programme (Jason Brogden)</b>	21/08/24	RECOMMEND CLOSED: R952 raised into Programme RAID as public, therefore will be published into dPMO at next refresh. Raised with Migration team for mitigation
CCAG32-03	24/07/2024	Check internally if there will be a decision on P433. This is required asap and before M6.	<b>Ofgem (Andy MacFaul)</b>	21/08/24	ONGOING: No decision date as of yet
CCAG32-04	24/07/2024	BSC to confirm and communicate to the Supplier Agent Representative what the topics are of the first two Guidance Notes.	<b>BSC (Christopher Day)</b>	21/08/24	ONGOING:
CCAG32-05	24/07/2024	To engage Kevin Spencer after PSG, subject to PSG approval, about including the CR51 code drafting into the M6 release.	<b>Programme (Jason Brogden)</b>	08/08/24	RECOMMENDED CLOSED: Jason Brogden engaged Kevin Spencer and Code Artefacts updated
CCAG32-06	24/07/2024	Programme to cancel August CDWG2	<b>Programme (PMO)</b>	25/07/24	RECOMMENDED CLOSED: Action Complete
CCAG31-01	26/06/2024	Follow up through Elexon transition for the Service Management to be progressed and timings need to be communicated.	<b>BSC (Lawrence Jones)</b>	24/07/24	ONGOING: Version 2.0 of the MHHS Service Definition Document (SDD), has been issued by the Elexon Helix Programme on the Collaboration Base and the Low-Level Service Design (LLSD) for Service Users is being drafted. TORWG updated 14/8/24

# Programme Updates

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

*Programme (PMO, Jason Brogden)*

*10 mins*



## Governance group updates

### Programme Steering Group (PSG)

#### PSG 07 August 2024

**CR051:** SRO approved CR051, Deferral of MHSP-03.

**CR052:** SRO approved CR052, Amending the 'M7 SCR powers enabled' Milestone.

**CR053:** SRO approved CR051, ISD Publication Frequency Change. CR053 will go to August CDWG to discuss if the related minor Code changes can be incorporated into M6 Code release.

**Elxon Settlement Analysis:** The Settlement Analysis Model has been built and a volunteer organisation has agreed to provide 50,000 MPANs.

**Post-M10 Change Management:** Programme provided update on SIT Functional Cycle 2, SIT Migration and Settlement Testing – as at end of Sprint 3 and into Sprint 4, contingency planning and Immediate and Tactical Changes to Test Plan.

PSG papers available [here](#).

### Design Advisory Group (DAG)

#### DAG 10 July 2024

**Meeting held by correspondence only owing to diminishing content.**

**Design Updates:** IR 8.1 published on 12 June 2024. Published artefacts can be found on design area of CB.

**CR045:** Rejected at July PSG and to be handed over to Code Bodies for Implementation post-M10.

**CR050:** Ofgem supported SRO's decision to approve CR050, with a recommendation that decision rationales be more clearly denoted within the decisions tables in Headline Reports. Updates to documentation can be found on CB.

DAG papers available [here](#).

### Cross Code Advisory Group (CCAG)

#### CCAG 24 July 2024

In the meeting, the CCAG provided updates on:

**DIP Governance Update:** The Programme confirmed 5 known inconsistencies will be added to DIP rules under the new DIP Governance in October and implemented before M10 via DIP industry consultation.

**Horizon Scanning Log:** BSC provided updates on P476 and CP1597. REC provided updates on R0144 and R0181. National Grid ESO provided CUSC updates on CMP430 and CMP431.

**M6 Reporting:** M6 Programme status, risks and milestone updates.

**M7 Delivery:** Ofgem M7 delivery.

**BSC Guidance Notes Update:** Update from Elxon on Guidance Notes and Simple Guides.

And, decided to cancel August CDWG2 meeting.

CCAG papers available [here](#).

## Wider Programme Updates

### 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. REMINDER: Non-Systems Integration Testing (SIT) Licensed Distribution System Operator (LDSO) Non-Functional and Operational Qualification Testing Plan – the deadline is Friday 16 August 2024
2. NEW! Placing Reliance Arrangements for SIT Operational – the deadline is Monday 19 August 2024
3. NEW! Updated Data Cleanse Plan and upcoming Population of ESME ID population activity – the deadline is Monday 19 August 2024
4. NEW! Change Request CR054 issued for Impact Assessment – the deadline is Thursday 22 August 2024
5. REMINDER: Non-SIT LDSO Qualification Testing Readiness Report and Requirements to Test Traceability Matrix (RTTM) Templates – the deadline is Friday 13 September 2024
6. REMINDER: Migration Envelopes and Weekly Submission Templates – the deadline is Wednesday 2 October 2024
7. Design Interim Release 8.2 coming soon!
8. Qualification Requirements to Test Traceability Matrix (RTTM) Templates updated

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 Systems Integration Testing (SIT) participants. You can view this document on the respective **SIT pages** of the [Collaboration Base](#) and [MHHS website](#).

### Upcoming Governance Meetings:

- **Wednesday 15 August 2024:** Migration Working Group (MWG)
- **Tuesday 20 August 2024:** Non-Functional Testing Working Group (NFTWG)
- **Wednesday 21 August 2024:** System Integration & Testing Advisory Group (SITAG)
- **Wednesday 21 August 2024:** Cross Code Advisory Group (CCAG)
- **Thursday 22 August 2024:** Qualification Advisory Group (QAG)

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

#### SITAG 17 July 2024

#### SIT Non-Functional Test Scenarios & Test Cases:

SRO approved SIT Non-Functional Test Scenarios & Test Cases Theme 2 (v0.2)

#### SIT Operational Test Scenarios and Test Cases:

SRO approved SIT Operational Test Scenarios and Test Cases Theme 2 (v0.2)

#### Release Management & Configuration

**Management Approach:** SRO approved the Release Management & Configuration Management Approach (v1.4)

#### Programme Milestones related to SITAG:

SRO approved date change for T3-TE-0043 from 04 October 2024 to 03 January 2025

SITAG papers available [here](#).

### Qualification Advisory Group (QAG)\*

#### QAG 18 July 2024

**Non-SIT S&A QT Migration Test Scenarios:** The Chair, acting with delegated authority of the MHHS Senior Responsible Owner (SRO), approved the document following endorsement from QWG.

**Non-SIT S&A QT Migration Test Data Approach:** The Chair, acting with delegated authority of the MHHS Senior Responsible Owner (SRO), approved the document following endorsement from QWG.

**E2E Sandbox Guidance:** The Chair, acting with delegated authority of the MHHS Senior Responsible Owner (SRO), approved the document following endorsement from QWG.

**IPA Assurance Period 07:** IPA provided an update on Assurance Period 07.

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

#### MCAG 25 July 2024

**Migration Framework Consultation 2:** The Chair, acting with delegated authority of the SRO, approved the Migration Framework Consultation 2 Outputs.

**Programme Milestones related to MCAG:** The Chair, acting with delegated authority of the SRO, approved Milestone T3-MI-0017, Migration Processes & Procedures, to move from 2 August 2024 to 22 October 2024.

**Migration Framework Update:** The Programme provided an update on the development of the Migration Framework.

**IPA Update:** The IPA provided an update on the Consequential Change assurance approach  
MCAG papers available [here](#).

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

## Programme response to current SIT Status – Contingency Planning

**Given that SIT is proceeding more slowly than the execution models shared previously with all SIT parties, it is prudent for the programme to consider whether some contingency should be applied to the forward plan:**

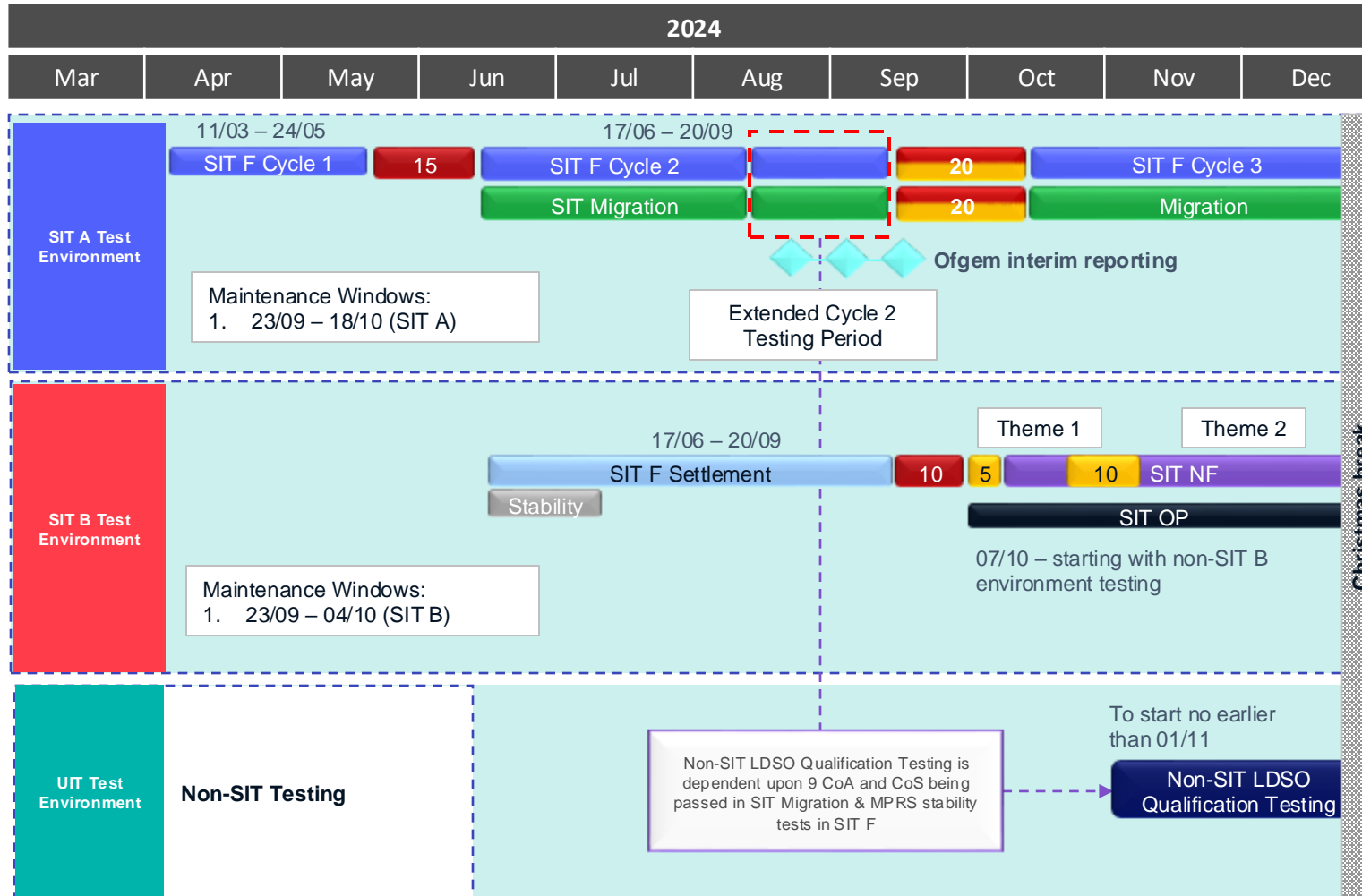
- Programme plan contains up to 3 months of contingency in the path to Go-Live (M10)
- Application of contingency (if this is eventually considered to be appropriate) should follow some key principles:
  - Contingency should not be used except as a (last resort) response to specific issues impacting the critical path to M10, after all other risk mitigation and issue resolutions have been exhausted
  - Options to apply any contingency need to be carefully considered and all key stakeholders should be appropriately engaged – such options need to articulate all key impacts, i.e. not only on SIT completion but all other elements of the programme plan (e.g. Qualification)
  - It should be clear how the opportunity of any additional time will constructively be used – unless significant delivery improvements underpin contingency plans, delivery will just ‘drift’ and dates will continue not to be met
  - Any contingency response should have high confidence that such a response will ‘fix the issue’ and further contingency responses should not be necessary

### Next Steps

- Programme is currently planning how some contingency could be applied in certain scenarios
- Dialogue with the IPA started on 31-Jul-24, to provide independent input and assurance on this planning
- All volunteer parties will continue to be engaged, to understand how they are intending to respond to slow test progress
- Ofgem will be sighted on possible outcomes and impacts; everyone understands that on-time delivery of M10 is a highly-critical matter, and we acknowledge that any impact on M10 (and programme and industry responses) will be challenged
- If plans are likely to change, earliest signposting of any short-term adjustments is needed – given generally tight resources in SIT parties’ teams, and the holiday period. We will all need to be agile in our responses to the plans given how quickly things change

# Immediate and tactical changes to Test Plan (advised to all programme participants on 06-Aug), as promised to FTIG

The Programme will extend SIT Cycle 2 by an additional 5 weeks, deferring the IR8.x maintenance window. This has knock-on implications for short term testing activities, which have been outlined in the plan below.



## What has changed & why

- The IR8.x maintenance window will be deferred by 5 weeks to allow for 2 additional sprints in Cycle 2. This is to enable:
  - More time to achieve the Cycle 2 firm targets set out at the beginning of the testing cycle.
  - More time, before the maintenance window, to focus on the priority tests needed to enable Non-SIT LDSO testing to commence.
  - More uninterrupted time to complete Settlement testing, which is behind current forecast targets.
  - More time to plan ahead and learn lessons from previous maintenance windows, optimising the activities to be completed.
- The IR8.x maintenance window in SIT-A environment will also be extended to 4 weeks. This is to enable more time for data preparation and loading activities and is in direct response to lessons learned feedback captured in the Cycle 1 data retrospective.
- To protect the timeline between the IR8.x maintenance window and Non-SIT LDSO Qualification testing, Non-SIT LDSO Qualification testing has been pushed back to start no earlier than 01-Nov-24.
- The Settlement testing window has been extended by 5 weeks. This means SIT Non-Functional has been delayed by the same amount of time as both test phases use the SIT-B environment. Any further delay to Settlement testing would incur a delay to SIT Non-Functional.
- The SIT Operational start date remains unchanged at 07-Oct-24.



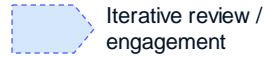


# Assessing and agreeing application of Programme Contingency - Process and Timetable

Key



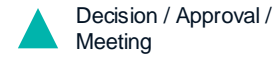
Activity



Iterative review / engagement



Ofgem interim reporting



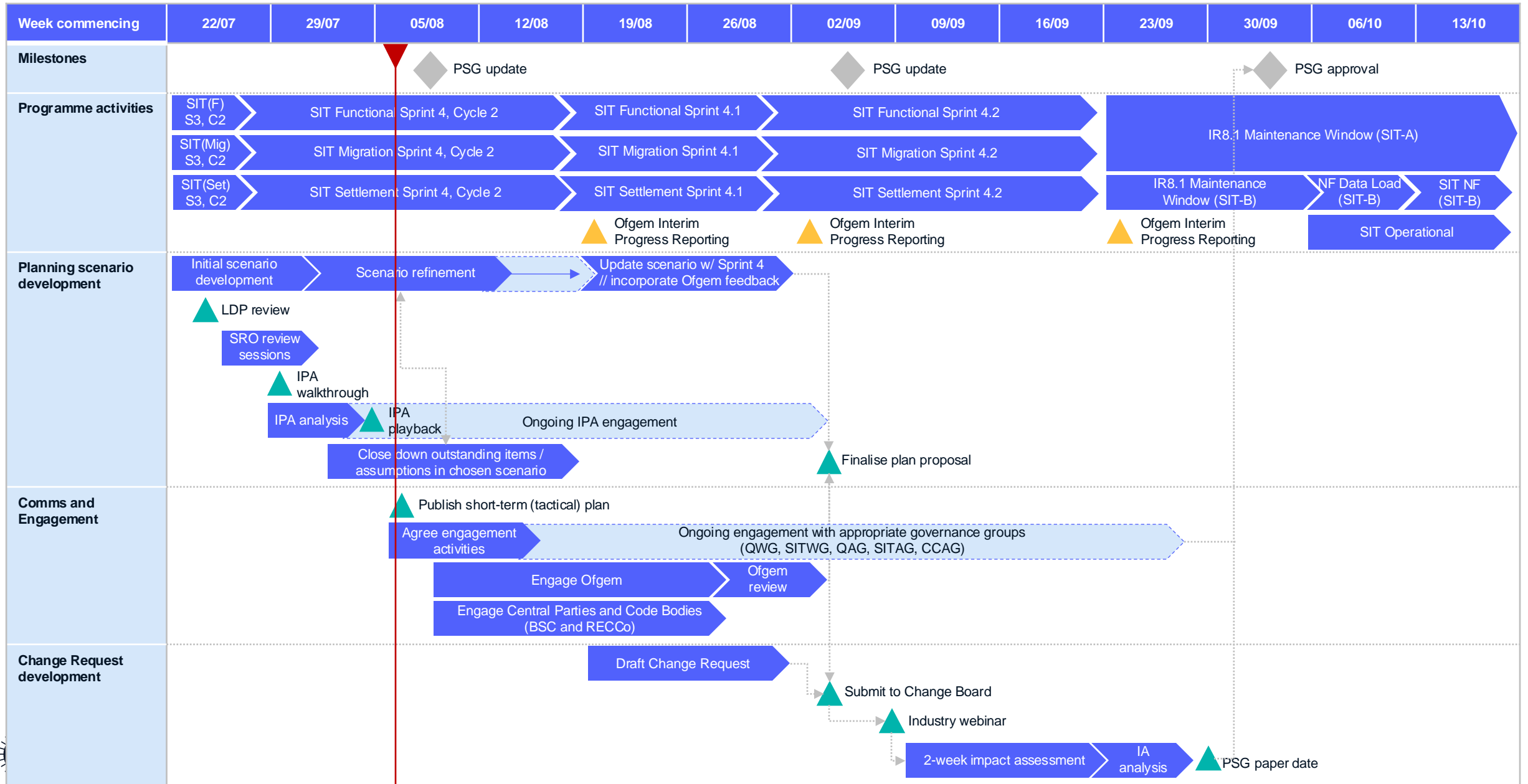
Decision / Approval / Meeting



Milestone



Dependency

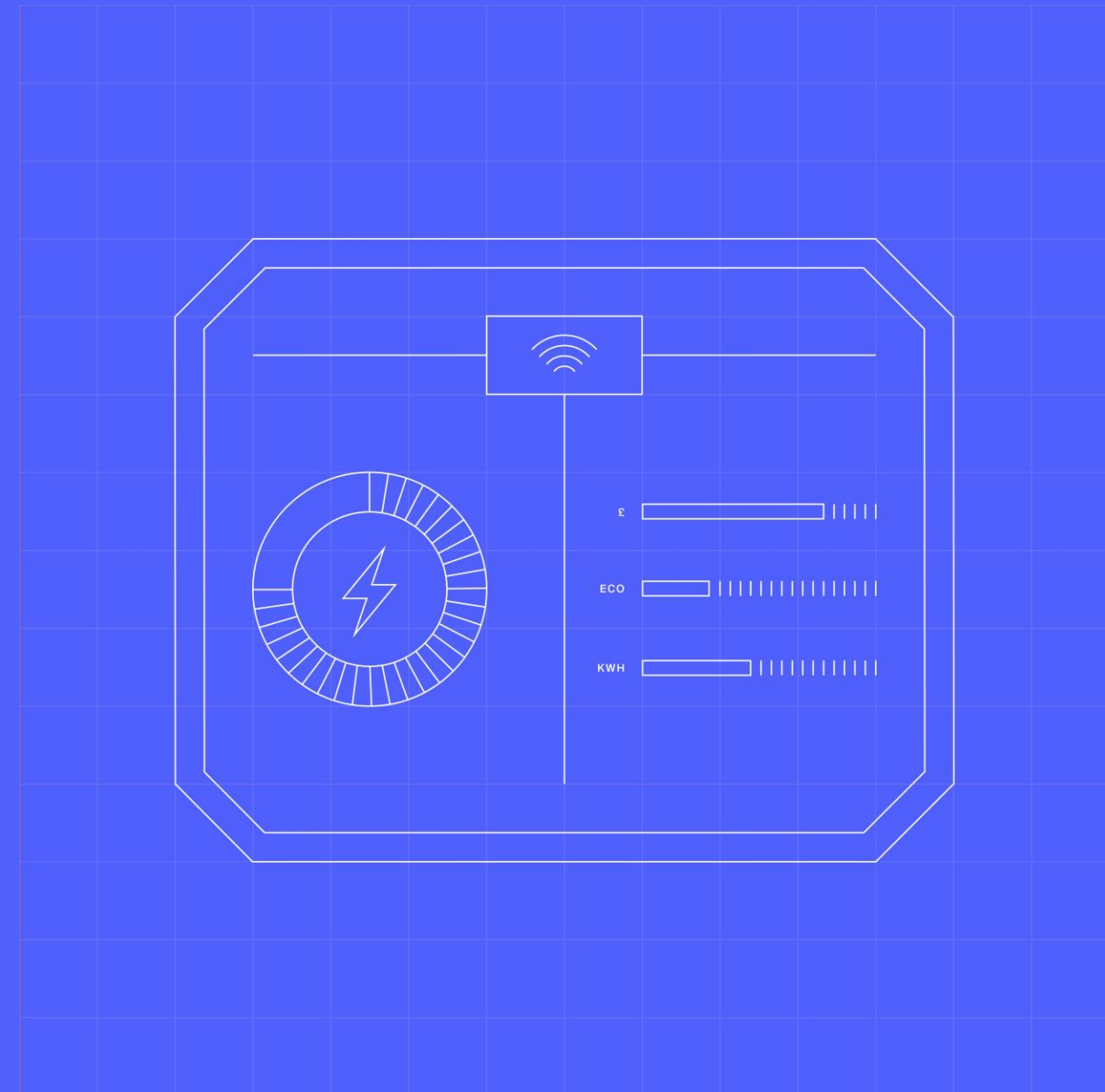


# Horizon Scanning Log

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

*Programme & Code Bodies*

*20 mins*



## Horizon Scanning Code Body Change Update BSC

Change Title		P477 - Introducing data protection provisions that facilitate processing of personal data under the Market-wide Half Hourly Settlement arrangements					
Change Summary:		<p>The purpose of this Modification is to address the need for personal information sharing in the Balancing and Settlement Code (BSC), once the Market-wide Half Hourly Settlement (MHHS) arrangements are operational.</p> <p>Under the current settlement arrangements Elexon receives meter volume data that is aggregated, meaning that this does not constitute personal data. The BSC currently does not include anything other than generic data protection provisions that require Parties to comply with data protections laws.</p> <p>Once the Market-wide Half Hourly Settlement (MHHS) operating model is in place, and BSC Parties (specifically Suppliers and Distribution System Operators (DSOs)) will be required to submit personal data to BSC central systems, these provisions will no longer be fit for purpose. The personal data will include MPAN Core data, MPAN address and Meter ID data.</p> <p>Data protections laws create certain obligations in this scenario, including a requirement for there to be a written contract setting out the basis on which that personal data may be processed. In addition, data protection laws require that written contract to include certain provisions that are specified in the UK General Data Protection Regulation (GDPR). In order to remain compliant with data protection laws, the BSC needs to include provisions that set out the terms on which this personal data is being shared.</p>					
Stakeholder positions:		Panel initially recommend approval					
Date raised	8 August 2024	Status	Consultation	Decision date	Est. Dec 24	MHHS Impact	No direct impact, but required for M10

## Horizon Scanning REC Change Updates

Change Title		R0080 - Improvements to 'Failed to Deliver' CSS Messages					
Change Summary:		<p>Since Go-Live a large number of messages have been unsuccessfully delivered due to failures of CSS Users gateways, resulting in CSS exhausting the 12-hour retry period. This Change Proposal has been raised to explore and address this issue.</p> <p><b>Update 14/08 – On 31/07 , the Technical Expert Panel approved this change for implementation on 27 June 2025.</b></p>					
Stakeholder positions:		Supportive					
Date raised	27/10/22	Status	Awaiting implementation	Decision date	31/07/2024	MHHS Impact	For awareness only

Change Title		I0194 – CSS Change to Allow Prevent of Registration by Market Segment					
Change Summary:		<p>This Change seeks to prevent a Supplier with exemptions in place for Smart and Unmetered, as approved by BSC and REC PABs, from registering meter points other than those that they are Qualified in.</p> <p><b>Update 25/07: New Change Issue raised by the Code Manager, accepted on 25/07 as I0194.</b></p>					
Stakeholder positions:		Supportive					
Date raised:	25/07/2024	Status:	Under Development	Decision date:	TBC	MHHS Impact	Of interest

## Horizon Scanning REC Change Updates

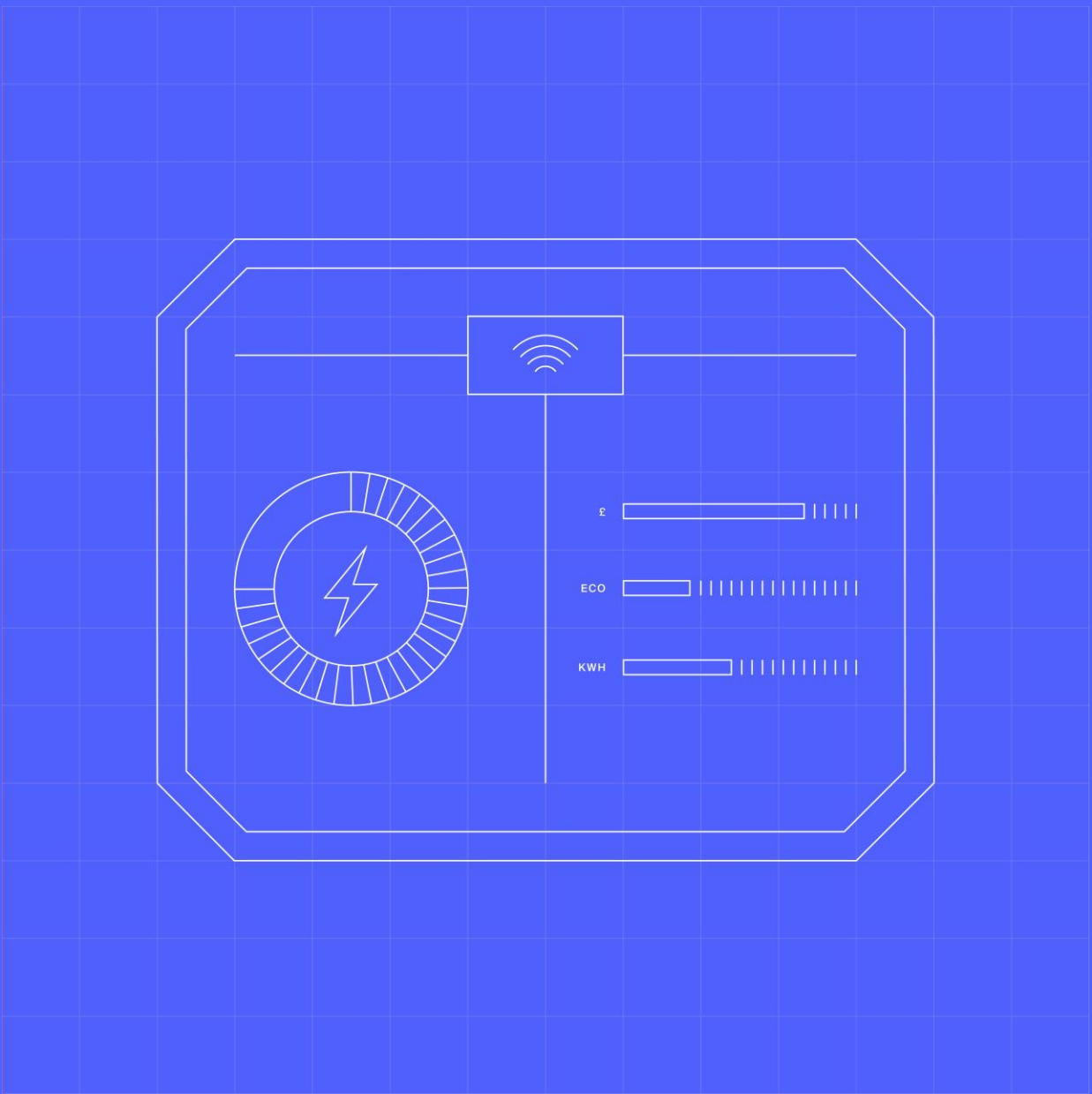
Change Title		R0201 - Creation of a Tool to Manually Correct ERDS/CSS Discrepancies					
Change Summary:		<p>There is currently a tool utilised by DNOs to manually correct registration data to align the Registered Supplier in ERDS with the data held in CSS. The MHHS Design does not allow for retrospective amendment of Supplier Registration - there is no equivalent tool for manual correction post MHHS go live (M10). Therefore, post MHHS implementation, any issues which prevent CSS data being reflected in ERDS cannot be corrected. This will prevent the Supplier from appointing agents and will lead to errors in settlement data under the BSC, and this Change is required to address this.</p> <p><b>Update 14/08 – New CP raised following rejection of CR-045 by the MHHS Programme (due to delivery timescales), cross code discussions and engagement with industry at the REC Change Issues Group on 01/08.</b></p>					
Stakeholder positions:		Supportive					
Date raised	02/08/2024	Status	Under Development	Decision date	TBC	MHHS Impact	Design impact being delivered by BAU
Change Title		R0202 – Performance Assurance Reporting Catalogue Updates (MHHS)					
Change Summary:		<p>The Performance Assurance Report Catalogue (PARC) requires updating following an impact assessment that identifies the requirements to support changes being introduced by MHHS.</p> <p><b>Update 24/07 – New CP raised by the Code Manager, accepted on 08/08 as R0202.</b></p>					
Stakeholder positions:		TBC					
Date raised:	08/08/2024	Status:	Under Development	Decision date:	TBC	MHHS Impact	Supports MHHS implementation

## Horizon Scanning REC Change Updates

Change Title		I0204 – Sequence Order of CSS00200 Message					
Change Summary:		<p>Currently appointment changes are submitted in a single file (D0205) and therefore generate a single CSS00200 outbound. However, for MHHS, there are two appointments which are separated into separate requests and each appointment will generate an individual CSS00200. As each CSS00200 message is a refresh of all the current &amp; future dated Metering Service (MEM) and Smart Meter Data Retriever (SMDR) appointments the ordering that the messages are loaded into CSS must be correct. If loaded out of order, the wrong active MEM/MDR appointment can be recorded. Currently there is no mechanism to control the correct ordering of the messages. This issue will explore the options to resolve this.</p> <p><b>Update 15/08 – New Issue raised by St Clements and accepted by the REC Code Manager as I0204. An MHHS Programme issue (I179) has also been raised.</b></p>					
Stakeholder positions:		TBC					
Date raised:	15/08/2024	Status:	New	Decision date:	TBC	MHHS Impact	Supports MHHS implementation

# Horizon Scanning DCUSA Verbal Update

John Lawton





CCAG August 24:

- CUSC Verbal Update

Neil Dewar

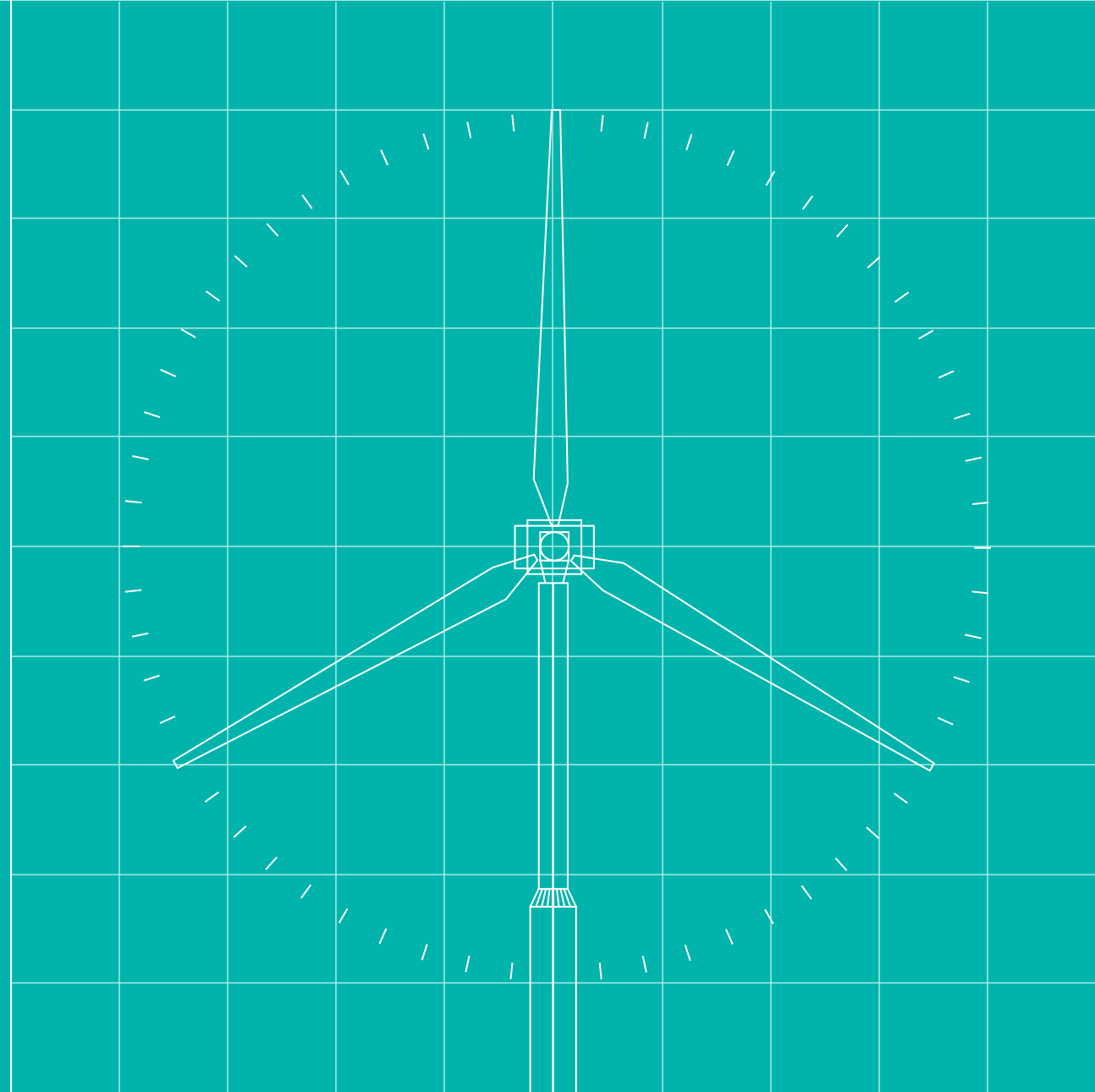


# CDWG Escalations

**DECISION:** CDWG Recommendation for Code Artefacts Approval

*Programme (Andrew Margan), Chair (Chris Welby)*

*15 mins*



## M6 - Success Criteria

### Code Baseline Success Criteria:

- All Design requirements translated into Code
- Code changes incorporate all approved CRs and DINs
- Code meets the plain English test and no obvious ambiguity
- Due Process followed
- Approved by SRO following CCAG recommendation

### Key Dependencies:

- Design and inflight DIN and CRs are complete/released
- Code Bodies correctly draft the Code in time for M6 baseline
- Due process and governance followed

### Key Artefacts:

- BSC/REC documents and subsidiary documents and DCUSA text

\*Updated following April CCAG recommendations

## 40 Due Process response comments confirmed due process has been followed

### Responses confirmed

- Parties had been able to engage with the Code workstream
- Parties have been able to input to the meetings, Code Artefacts and decisions
- Parties confirmed comments had been addressed
- The Design had been correctly translated into Code
- Code Artefacts made sense

### Workstream lessons learnt

- Parties provided positive feedback that the process had worked better than expected
- Time and resource constraint was the main problem for participants
- Better Cross-Code working for Design and consequential changes
- Better redlining of text
- More Code/participant meetings
- Importance of collaborative working and input from industry

\*It is proposed the lessons learnt are captured as part of wider MHHS Programme lessons learnt

## BSC Code Artefacts – BSC Sections

BSC status:

- No outstanding queries

Topic Area	BSC Document/Section	Status	BRAG	Current status and issues
Finalisation	Section E – BSC Agents	Triage and Action		0 Industry comments outstanding
	Section J – Party Agents and Qualification Under The Code	Triage and Action		0 Industry comments outstanding
	Section K - Classification and Registration of Metering Systems and BM Units	Triage and Action		0 Industry comments outstanding
	Section L – Metering	Triage and Action		0 Industry comments outstanding
	Section S - Supplier Volume Allocation	Triage and Action		0 Industry comments outstanding
	Section S: Annex S-1 - Performance Levels and Supplier Charges	Triage and Action		0 Industry comments outstanding
	Section S: Annex S-3 - Supplier Volume Allocation Rules for MHHS Metering Systems	Triage and Action		0 Industry comments outstanding
	Section S : Annex S-4 - Supplier Volume Allocation Rules for Metering Systems During Transition to MHHS	Triage and Action		0 Industry comments outstanding
	Section W – Trading Disputes	Triage and Action		0 Industry comments outstanding
	Section X: Annex X-1 – General Glossary	Triage and Action		0 Industry comments outstanding
	Section X: Annex X-2 – Technical Glossary	Triage and Action		0 Industry comments outstanding
Section Z – Performance Assurance	Triage and Action		0 Industry comments outstanding	



## BSC Code Artefacts – BSC Sections

BSC status:

- No outstanding queries

Topic Area	BSC Document/Section	Status	BRAG	Current status and issues
Finalisation	BSCP700 – Unmetered Data Service	Triage and Action		0 Industry comments outstanding
	BSCP701 – Smart Data Service	Triage and Action		0 Industry comments outstanding
	BSCP702 – Advanced Data Service	Triage and Action		0 Industry comments outstanding
	BSCP703 - BSC Central Services for MHHS Metering Systems	Triage and Action		0 Industry comments outstanding
	BSCP704 - Unmetered Suppliers Operations for MHHS Metering Systems	Triage and Action		0 Industry comments outstanding
	BSCP705 - Licensed Distribution for MHHS Metering Systems	Triage and Action		0 Industry comments outstanding
	BSCP706 - Supplier Meter Registration Service for MHHS Metering Systems	Triage and Action		0 Industry comments outstanding
	BSCP707 - Industry Standing Data (ISD)	Triage and Action		0 Industry comments outstanding
	BSCP707: Appendix 1 - ISD Change Request Form	Triage and Action		0 Industry comments outstanding
	BSCP707: Appendix 2 - ISD Change Request Entity Validation	Triage and Action		0 Industry comments outstanding

## BSC Code Artefacts – BSC Sections

BSC status:

- No outstanding queries

Topic Area	BSC Document/Section	Status	BRAG	Current status and issues
Finalisation	BSCP708 - Migration of Metering Systems to and from the MHHS Arrangements	Triage and Action		0 Industry comments outstanding
	BSCP709 - Supplier Requirements for MHHS Metering Systems	Triage and Action		0 Industry comments outstanding
	BSCP710 - Supplier Charges for MHHS Metering Systems	Triage and Action		0 Industry comments outstanding
	BSCP711 - PAM Data Provision, Reporting and Publication of Peer Comparison Data	Triage and Action		0 Industry comments outstanding
	BSCP711: Appendix 1 - Appendix A: Fixed PAM Data Provider File Formats	Triage and Action		0 Industry comments outstanding
	BSCP711: Appendix 2 - Appendix B: Fixed PAM Calculation Guidelines	Triage and Action		0 Industry comments outstanding



## BSC Code Artefacts – BSC Sections

BSC status:

- No outstanding queries

Topic Area	BSC Document/Section	Status	BRAG	Current status and issues
Finalisation	BSC COP 1 - Code of Practice for the Metering of Circuits with a Rated Capacity Exceeding 100MVA for Settlement	Triage and Action		0 Industry comments outstanding
	BSC COP 2 - Code of Practice for the Metering of Circuits with a Rated Capacity Not Exceeding 100MVA for Settlement Purposes	Triage and Action		0 Industry comments outstanding
	BSC COP 3 - Code of Practice for the Metering of Circuits with a Rated Capacity Not Exceeding 10MVA for Settlement Purposes	Triage and Action		0 Industry comments outstanding
	BSC COP 4 - Code of Practice for the Calibration, Testing and Commissioning Requirements of Metering Equipment for Settlement Purposes	Triage and Action		0 Industry comments outstanding
	BSC COP 5 - Code of Practice for the Metering of Energy Transfers with a Maximum Demand of up to (and Including) 1MW for Settlement Purposes	Triage and Action		0 Industry comments outstanding
	BSC COP 6 - Code of Practice for the Metering of Energy Imports Via Low Voltage Circuits Fused at 100 Amps or Less Per Phase for Settlement Purposes	Triage and Action		0 Industry comments outstanding



## BSC Code Artefacts – BSC Sections

BSC status:

- No outstanding queries

Topic Area	BSC Document/Section	Status	BRAG	Current status and issues
Finalisation	BSC COP 7 - Code of Practice for the Metering of Energy Imports Via Low Voltage Circuits Fused at 100 Amps or Less Per Phase for Settlement Purposes	Triage and Action		0 Industry comments outstanding
	BSC COP 10 - Code of Practice for Whole Current Metering of Energy via Low Voltage Circuits for Settlement Purposes	Triage and Action		0 Industry comments outstanding
	BSCP01 - Overview of Trading Arrangements	Triage and Action		0 Industry comments outstanding
	BSCP02 - Proving Test Requirements for Central Volume Allocation Metering Systems	Triage and Action		0 Industry comments outstanding
	BSCP11 - Trading Disputes	Triage and Action		0 Industry comments outstanding
	BSCP14 - Processing of Manifest Error Claims	Triage and Action		0 Industry comments outstanding
	BSCP18 - Corrections to Bid-Offer Acceptance Related Data	Triage and Action		0 Industry comments outstanding
	BSCP27 - Technical Assurance of Half Hourly Metering Systems for Settlement Purposes	Triage and Action		0 Industry comments outstanding
	BSCP38 - Authorisations	Triage and Action		0 Industry comments outstanding





## BSC Code Artefacts – BSC Sections

BSC status:

- No outstanding queries

Topic Area	BSC Document/Section	Status	BRAG	Current status and issues
Finalisation	BSCP65 - Registration of Parties and Exit Procedures	Triage and Action		0 Industry comments outstanding
	BSCP68: Transfer of Registration of Metering Systems between CMRS and SMRS	Triage and Action		0 Industry comments outstanding
	BSCP128 - Production, Submission, Audit and Approval of Line Loss Factors	Triage and Action		0 Industry comments outstanding
	BSCP128: Appendix 3 - Calculation Self Assessment Document (CSAD) for Host LDSOs and Embedded LDSOs that do not Mirror	Triage and Action		0 Industry comments outstanding
	BSCP128: Appendix 4 - Line Loss Factor Calculation Self Assessment Document (CSAD) for Embedded LDSOs that Mirror	Triage and Action		0 Industry comments outstanding
	BSCP128: Appendix 5 - CSAD 2.1 and 2.2 tables for all Host and Embedded Submissions	Triage and Action		0 Industry comments outstanding
	BSCP128: Appendix 9 - Site Specific LLF Calculation Audit Evidence Template	Triage and Action		0 Industry comments outstanding
	BSCP502 - Half Hourly Data Collection for SVA Metering Systems Registered in SMRS	Triage and Action		0 Industry comments outstanding

## BSC Code Artefacts – BSC Sections

BSC status:

- No outstanding queries

Topic Area	BSC Document/Section	Status	BRAG	Current status and issues
Finalisation	BSCP503 - Half Hourly Data Aggregation for SVA Metering Systems Registered in SMRS	Triage and Action		0 Industry comments outstanding
	BSCP504 - Non Half Hourly Data Aggregation for SVA Metering Systems Registered in SMRS	Triage and Action		0 Industry comments outstanding
	BSCP505 - Non Half Hourly Data Aggregation for SVA Metering Systems Registered in SMRS	Triage and Action		0 Industry comments outstanding
	BSCP520 - Unmetered Suppliers Registered in SMRS	Triage and Action		0 Industry comments outstanding
	BSCP535 - Technical Assurance	Triage and Action		0 Industry comments outstanding
	BSCP537 - Qualification Process for SVA Parties, SVA Party Agents and CVA MOAs	Triage and Action		0 Industry comments outstanding
	BSCP550 - Shared SVA Meter Arrangements of Half Hourly Import and Export Active Energy	Triage and Action		0 Industry comments outstanding
	BSCP601 - Metering Protocol Approval and Compliance Testing	Triage and Action		0 Industry comments outstanding
	BSCP602 - SVA Metering System Register	Triage and Action		0 Industry comments outstanding



## REC Code Artefacts – REC Schedules

REC status:

- No outstanding queries

Topic Area	BSC Document/Section	Status	BRAG	Current status and issues
Finalisation	Schedule 1 – Interpretations and Definitions	Triage and Action		0 Industry comments outstanding
	Schedule 9 – Qualification and Maintenance	Triage and Action		0 Industry comments outstanding
	Schedule 12 – Data Access	Triage and Action		0 Industry comments outstanding
	Schedule 14 – Metering Operations	Triage and Action		0 Industry comments outstanding
	Schedule 15 – Metering Accreditation	Triage and Action		0 Industry comments outstanding
	Schedule 19 – Market Exit and Supplier of Last Resort	Triage and Action		0 Industry comments outstanding
	Schedule 23 – Registration Services	Triage and Action		0 Industry comments outstanding
	Schedule 24 – Switching Data Management	Triage and Action		0 Industry comments outstanding
	Schedule 27 – RMP Lifecycle	Triage and Action		0 Industry comments outstanding
	Schedule 28 – Related Metering Points	Triage and Action		0 Industry comments outstanding
	Schedule 29 – Address Management	Triage and Action		0 Industry comments outstanding



## REC Code Artefacts – REC Schedules

REC status:

- No outstanding queries

Topic Area	BSC Document/Section	Status	BRAG	Current status and issues
Finalisation	Schedule 30 – Resolution of Consumer Facing Switching and Billing Issues	Triage and Action		0 Industry comments outstanding
	Schedule XX – MHHS Migration	Triage and Action		0 Industry comments outstanding
	Service Specification – Electricity Enquiry Service Definition	Triage and Action		0 Industry comments outstanding
	Service Specification – Electricity Retail Data Service Definition	Triage and Action		0 Industry comments outstanding
	Metering Code of Practice – Consolidated Metering Code of Practice (CoMCoP)	Triage and Action		0 Industry comments outstanding
	Data Specification – Data Item Catalogue	Triage and Action		0 Industry comments outstanding
	Data Specification – Market Message Catalogue	Triage and Action		0 Industry comments outstanding
	Data Specification – Standards Definition	Triage and Action		0 Industry comments outstanding
	Data Specification – EES API Technical Specification	Triage and Action		0 Industry comments outstanding



# Code Artefacts – DCUSA

DCUSA status:

- No outstanding queries

Topic Area	BSC Document/Section	Status	BRAG	Current status and issues
Finalisation	DCUSA MHHS Transition	Triage and Action		0 Industry comments outstanding



## CDWG Recommendation

Code Artefacts for BSC. REC and DCUSA have been updated, refined and the code activity is complete

The Code Artefacts have been translated from the current MHHS Design and reviewed by Programme Participants and are ready to be approved at CCAG by the SRO, noting Artefacts may need to be subsequently updated to reflect new CRs and Design Changes

The MHHS Programme requests that CCAG recommends all Code Artefacts are sent to CCAG for their consideration

### **The recommendation is –**

*Based on the current MHHS Design, the Code Artefacts have been translated accurately (subject to CRs and Design Changes), they meet the M6 success criteria and are ready to be CCAG approved to baseline the MHHS Code Artefacts*

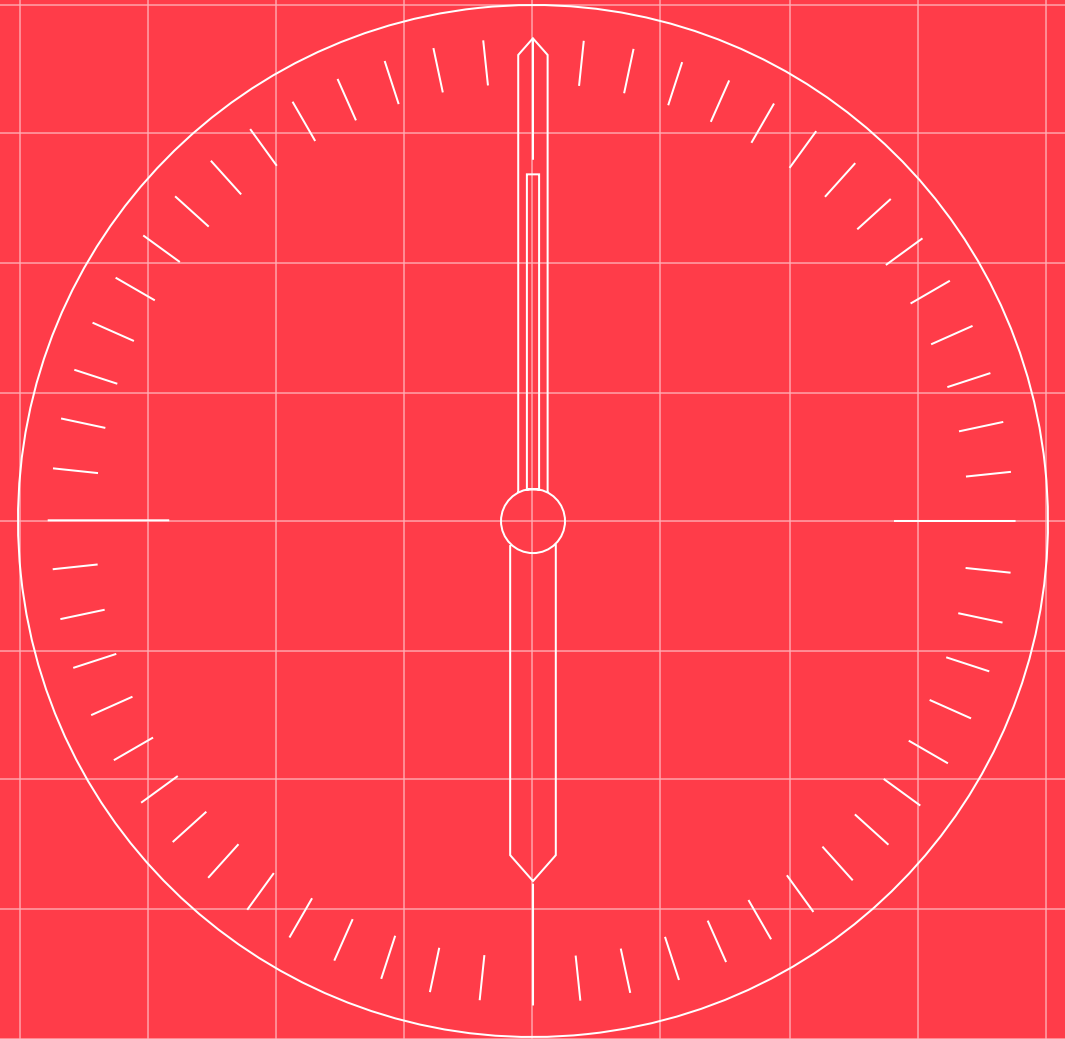
# M6 Reporting, CCAG Risks and Milestones

## INFORMATION / DECISION:

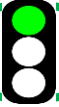
- M6 Programme status, risks and milestone updates

*Programme (Andrew Margan)*

*10 mins*



## MHHS Programme – Code Workstream Summary



### Overall Status

- The Code Drafting Workstream is meeting the August M6 delivery timelines to baseline the MHHS Code Artefacts
- M7 Ofgem SCR activities are on track to start post M6
- M8 activities have started and are on track



### August Summary

- Publish artefacts following Consistency Check Consultation and Assurance, with all comments actioned
- Artefacts prepared and ready for Finalisation stage and approval



### September Deliverables

- Develop how post-M6 work off items will be managed
- Support M7 delivery start/ongoing with relevant SCR Modifications raised
- Support M8 BSC/REC/DCUSA implementation activities

Mstn Ref	Drafting Milestones	Baseline date	Forecast date	Status
T2-RE-0100	Data Services approved at CCAG	24/05/23	24/05/23	Complete
T2-RE-0150	Metering Services approved at CCAG	24/05/23	24/05/23	Complete
T2-RE-0250	Registration approved at CCAG	23/08/23	23/08/23	Complete
T2-RE-0200	BSC Central Services approved at CCAG	27/09/23	27/09/23	Complete
T3-RE-0300	Governance, Migration and Qualification approved at CCAG	22/11//23	22/11/23	Complete
T3-RE-0350	Transition Text and Interfaces approved at CCAG	24/01/24	24/01/24	Complete
T3-RE-0500	Topic Area Mop Up approved at CCAG	22/05/24	22/05/24	Complete
T3-RE-0500	Consequential Change approved at CCAG	22/05/24	22/05/24	Complete
T3-RE-0550	Finalise and consistency check approved at CCAG	23/08/24	23/08/24	Green
T3-RE-0550	Code changes baselined (M6)	23/08/24	23/08/24	Green
T2-RE-0600	Smart Meters Act powers enabled (M7)	11/12/24	11/12/24	Green
T2-RE-0650	Code changes delivered (M8)	07/03/25	07/03/25	Green



# Top Programme Risks related to CCAG

Theme	Summary	Mitigation Approach Overview
<b>Top risks to the Code Workstream</b>	The main risk to Code delivery is late changes, which Code needs to reflect, e.g. through PCRs and/or testing or issues during the SCR process	<ul style="list-style-type: none"> <li>Monitoring triggers to Design and Code change and ensuring there are mechanisms to make changes within the Programme timescales</li> <li>Front load SCR processes, so that issues are identified earlier and within timescales that don't delay the milestone timescales</li> </ul>

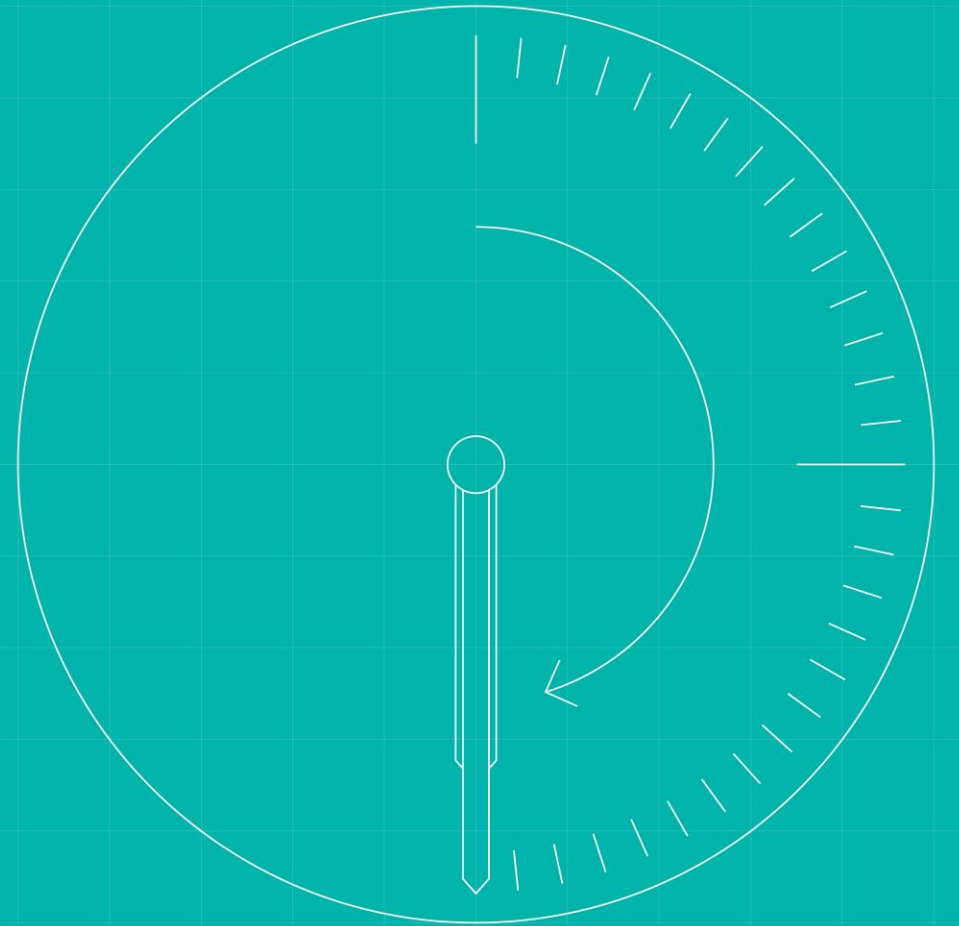
Risk ID	Risk Description	Key Risks																				Current score movement since last CCAG	Mitigation Plan								
		Risk Score Assessment																													
		Critical					High					Medium					Low														
30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		
R202	There is a risk that Programme testing (CIT/SIT) may identify changes to baselined code and require code updates and further code releases after initial code changes have been approved																													No change	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
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																													No change	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.
R455	There is a risk that the SCR consultation process highlights issues that require resolution in the Programme																													No change	1) 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
R762	There is a risk that Ofgem cannot deliver M7 on time and this impacts later milestone																													No change	1) Keep close engagement with Ofgem and agree a clear timeline with contingency with Ofgem 2) Agree new milestone timeline via left to right planning
R920	There is a risk that Code Drafting (specifically the Energy Market Data Specification) does not reflect the intended MHHS design. This risk is specific to Swagger's alignment with for example DES138.																													No change	The Programme recognises the risk in the context of Code drafting, it has always been the intention of the Programme to keep both documents aligned where appropriate, PP have been told to develop against Swagger where inconsistencies are identified. the DIN process has worked effectively to address any misalignment and this will continue going forward.

# M7 Delivery Update

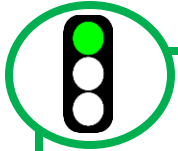
**INFORMATION:** Update for Ofgem M7 delivery

*Ofgem (Andrew McFaul)*

*15 mins*



# MHHS Programme – Ofgem M7 Delivery Summary



## Overall Status

- M7 is now on track following the approval of CR52 which resets M7 as 11 December.



## Month Summary

- On 7 August, the SRO approved CR52. This moves the M7 milestone to 11 December and clarifies that the milestone refers to Ofgem’s decisions on the legal text baselined at M6
- Ofgem is continuing to review BSC, REC and DCUSA legal text
- Modification Proposal Forms are being prepared



## Next Month Deliverables

- Ofgem will conclude its review of the codes legal text and of supporting documents provided by the Programme after the CCAG meeting
- In light of this, Ofgem will finalise the Modification Proposal Forms and issue them to the code bodies alongside letters raising modifications to the BSC, REC and DCUSA
- Ofgem continues to work towards the indicative consultation timetable circulated last month. The actual timelines will be confirmed and directed by the Authority after the August CCAG

Mstn Ref	Drafting Milestones	Baseline date	Forecast date	Status
6448	Ofgem to keep Ofgem legal informed to ensure prepared for SCR go/no go decision	Mon 24/06/24	Mon 24/06/24	Green
6449	Ofgem Legal to review Code Artefacts	Fri 12/07/24	Fri 12/07/24	Green
6451	Ofgem discuss and agree code mod timetable with code bodies (and MHHSP in relation to the dates for expected decisions)	Fri 09/08/24	Fri 09/08/24	Green
6452	Ofgem to draft open letter and direction to each code body	Fri 16/08/24	Fri 16/08/24	Green
6454	Ofgem to publish each Direction to each code body specifying the timetable for each modification	Wed 28/08/24	Wed 4/09/24 for BSC/REC Tue 10/09/24 for DCUSA	Green
6455	Formally submit (by separate email) Modification Proposal Forms and legal texts to each code body	Wed 28/08/24	Wed 4/09/24 for BSC/REC Tue 10/09/24 for DCUSA	Green
6465	Receive Final Mod Reports	Mon 11/11/24	Thu 7/11/24 for BSC/REC Fri 8/11/24 for DCUSA	Green
4088	SCR powers enabled (M7) (Decision and direction)	Wed 11/12/24	Wed 11/12/24	Green

## Ofgem will confirm and direct the SCR timelines following the August CCAG

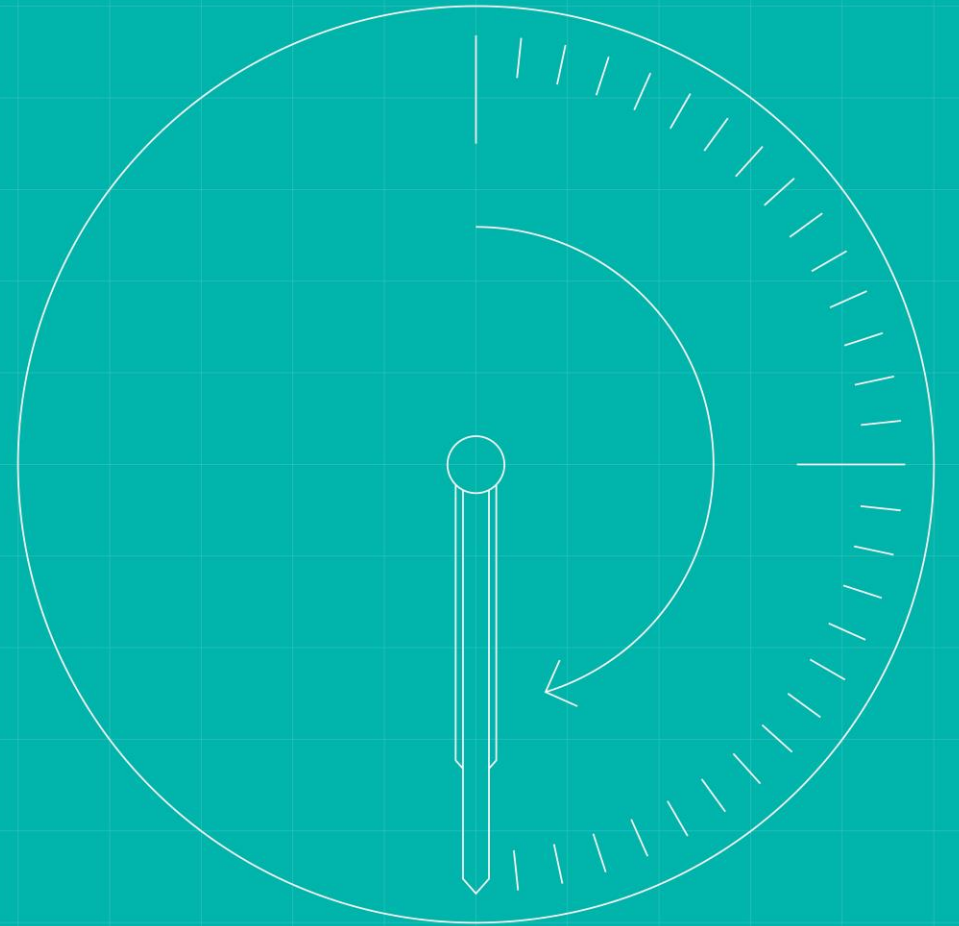
Code	Authority submits Authority-Led SCR modification proposal	'Papers day'	First Panel meeting	Consultation/IA/ Voting period begins	Consultation/IA/V oting period ends	Second Panel meeting	Final Modification/ Change Report sent to the Authority
<b>BSC</b>	By 4 September	5 September	12 September	13 September	13 October	6 November	7 November
<b>REC</b>	By 4 September	10 September	17 September	18 September	9 October	5 November	7 November
<b>DCUSA</b>	By 10 September	11 September	18 September	17 October	7 November	16 October	8 November

# M8 Code Implementation Update

**INFORMATION:** Update from Code Bodies for M8 Code Implementation/go-live

*Code Bodies (Andrew Wallace), (Lawrence Jones)*

*15 mins*



# MHHS Programme – M8 Milestones



## Overall Status

- M8 on track for March 2025 delivery. Flagging amber on two milestones due to current Programme Scenario Planning exercise and potential use of contingency
- M8 scope includes REC changes covered by the SCR, implementation of REC consequential CPs\* that are progressed outside of the SCR and REC CAT 3 changes



## Month Summary

- REC Code Manager developed internal REC Release Plan to manage Code updates required for M8
- REC CP R0202 'Performance Assurance Report Catalogue Update' raised. Required for M8
- Updated CAT 3 POAP v1.2 included in CCAG pack with version control notes to explain updates from v1.1



## Next Month Deliverables

- Continue to track M8 delivery against internal REC Release Plan
- Tracking progress of M6 and M7 as inputs into M8 delivery
- Seeking clarification from MHHS Programme on post M6 Work Off plan arrangements to manage any Code changes required for M8
- Working with Programme to clarify Post M8/M10 change management arrangements
- Working with Programme to input on Scenario Planning impacts

Mstn Ref	Drafting Milestones	Baseline date	Forecast date	Status
2224	Deliver MHHS Code Changes	Tbc**	Tbc	Green
3699	Releases	Tbc	Tbc	Green
3700	Impacted codes make resourcing provisions and prepare to implement new Code via internal code body change processes	Tbc	Tbc	Green
3701	Main Code Release	Tbc	Tbc	Green
3702	Release preparation (e.g. preparing release documentation)	Tbc	Tbc	Green
3703	Implement new code on day of code release	Fri 07/03/25	Fri 07/03/25	Amber
3707	Code changes delivered (M8)	Fri 07/03/25	Fri 07/03/25	Amber

\*Required REC CPs outside of MHHS SCR Process  
[REC CP R0044 - MHHS Programme Changes required to Central Switching Service](#)  
[REC CP R0083 - Changes to Supply Number Format for MHHS](#)  
[REC CP R0097 - Consequential Change for CSS Smart Meter Data Retriever Appointments](#)  
[REC CP R202 - Performance Assurance Report Catalogue Updates](#)

\*\*Dates in Programme Plan not correct and being reviewed by Programme

# MHHS Programme – M8 Milestones



## Overall Status

- On track to deliver MHHS BSC code artifacts at M8



## Month Summary

- SCR Mod Proposal Form has been drafted and reviewed by Ofgem
- BSC code artefacts have been handed over from MHHSP to BSCCo
- Code artefacts are being prepared for the BSC SCR Modification



## Next Month Deliverables

- Raise SCR Modification
- Issue SCR Modification for consultation

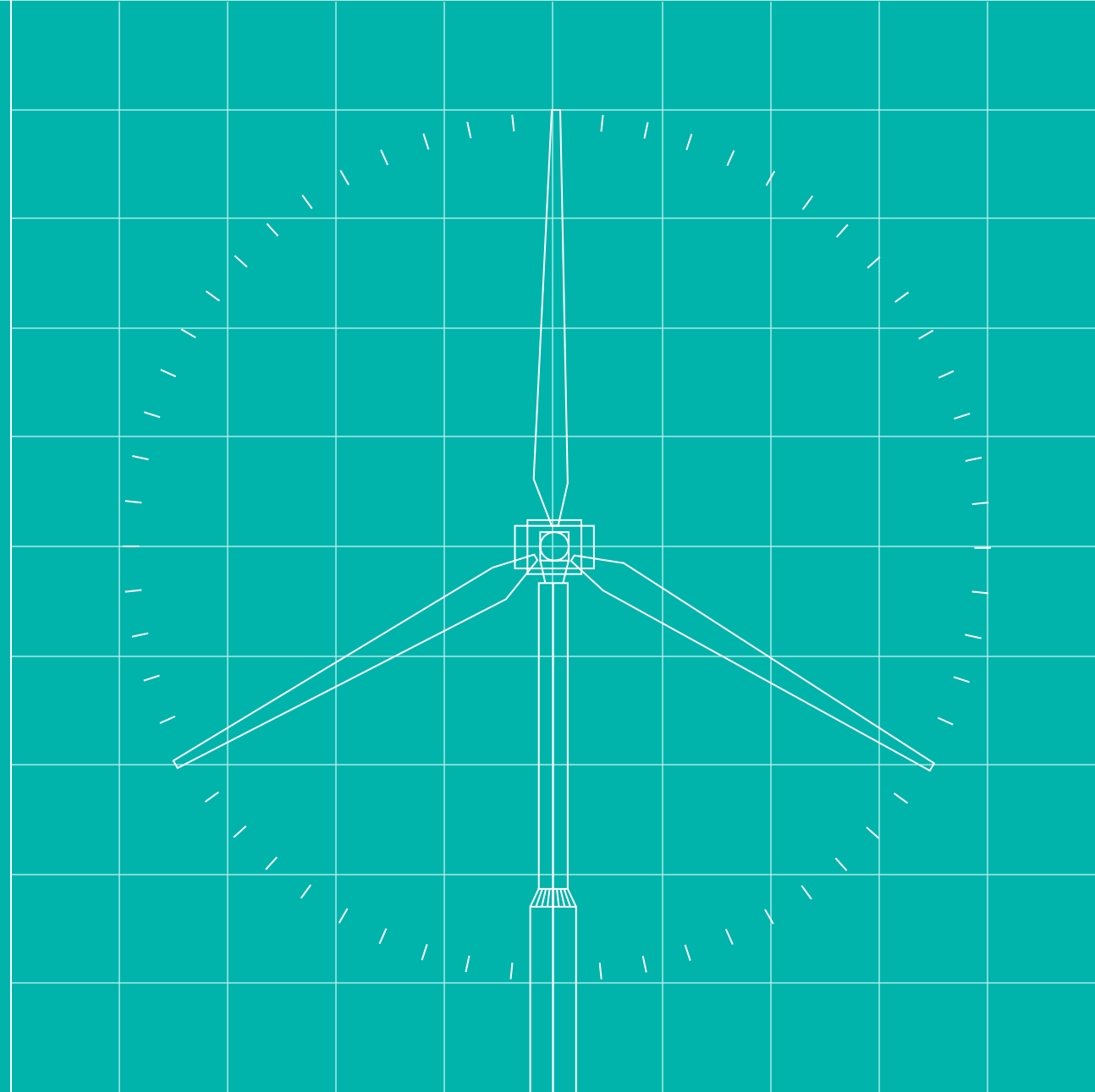
Mstn Ref	Drafting Milestones	Baseline date	Forecast date	Status
2224	Deliver MHHS Code Changes	Tue 12/11/24	Tue 12/11/24	Green
3699	Releases	Tue 12/11/24	Tue 12/11/24	Green
3700	Impacted codes make resourcing provisions and prepare to implement new Code via internal code body change processes	Tue 12/11/24	Tue 12/11/24	Green
	Last date to raise CP before M8	Tue 7/1/25	Tue 7/1/25	Green
3701	Main Code Release	Fri 28/02/25	Fri 28/02/25	Green
3702	Release preparation (e.g. preparing release documentation)	Fri 28/02/25	Fri 28/02/25	Green
3703	Implement new code on day of code release	Fri 07/03/25	Fri 07/03/25	Green
3707	Code changes delivered (M8)	Fri 07/03/25	Fri 07/03/25	Green

# CDWG Update

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

*Programme (Andrew Margan)*

*5 mins*



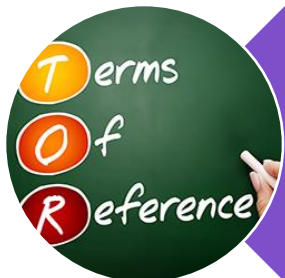




## August CDWG update



## September CDWG tasks



## Upcoming agenda items

### CDWG Discussion Topics August

- Presented Consistency Check consultation outputs
- Presented the Finalisation Code Artefacts for CDWG Recommendation for a CCAG decision and SRO approval



### CDWG Key September tasks

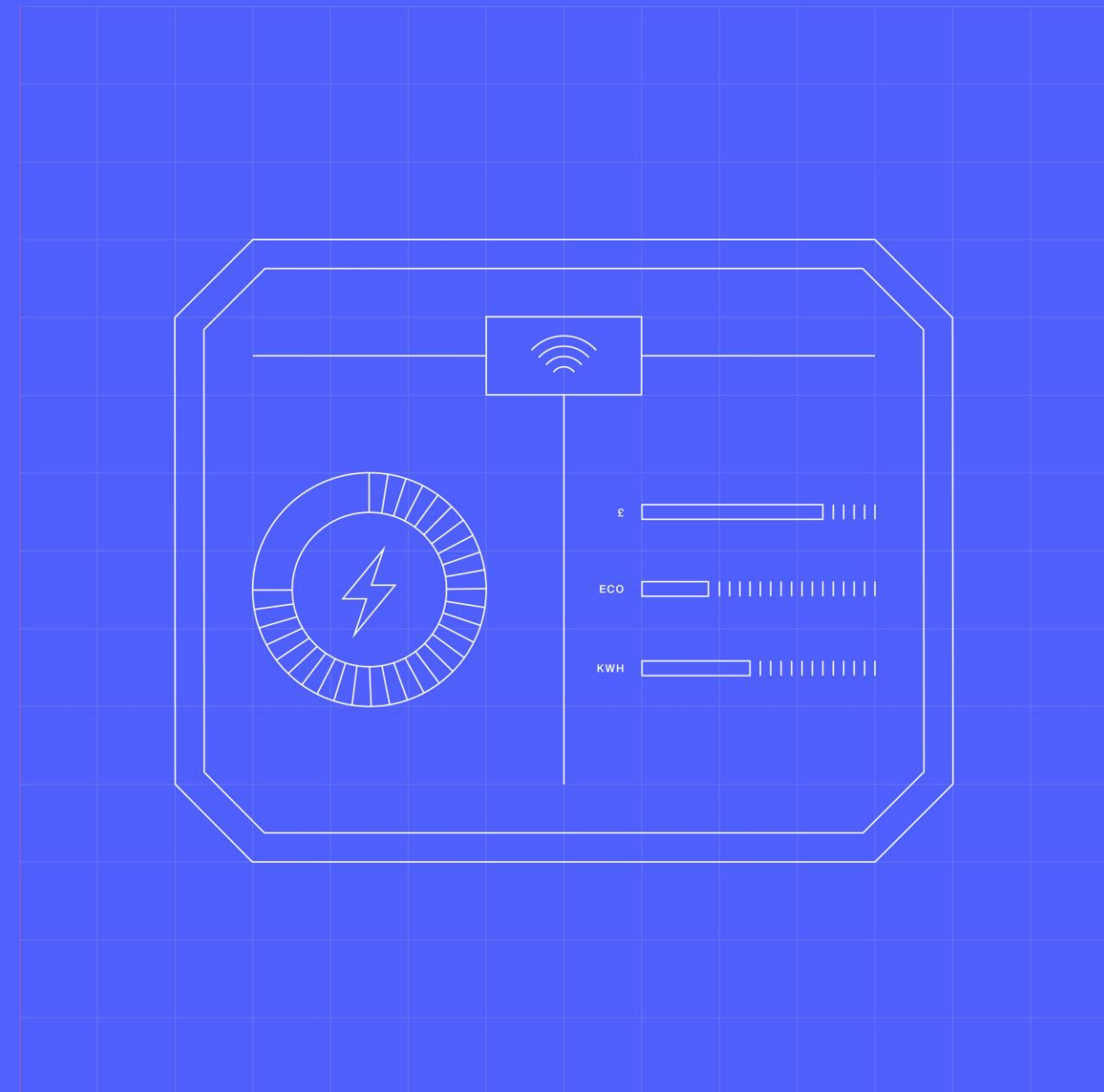
- N/A

# Summary and Next Steps

**INFORMATION:** Summarise meeting actions and next steps

*Chair & Secretariat*

*5 mins*



## Next steps

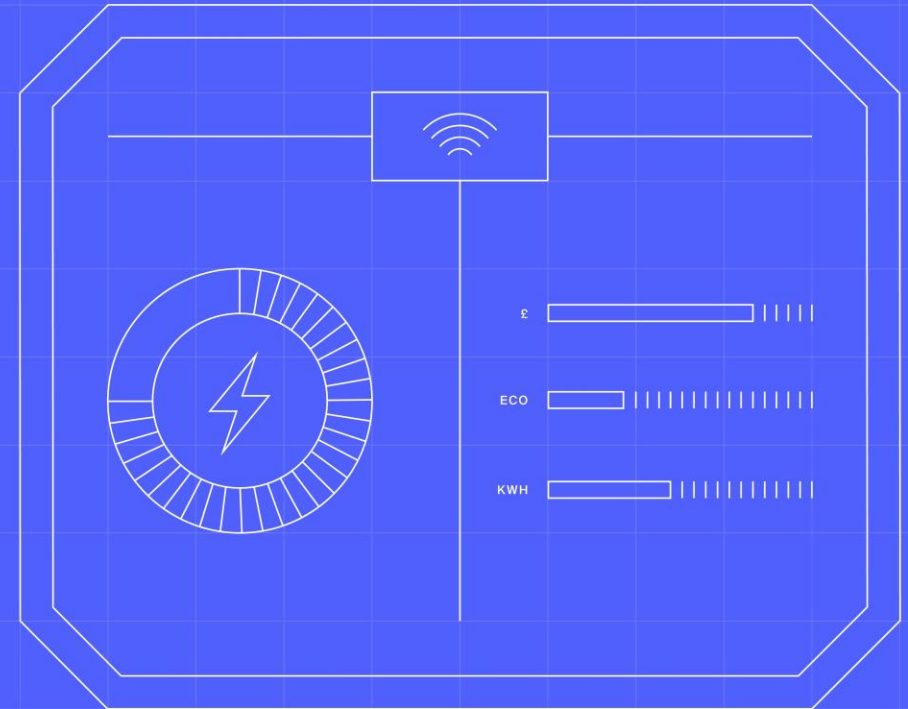
- Secretariat to confirm actions and decisions from meeting
- Next CCAG meeting **25 September 2024** at **10am**
- Date of CDWG1 meeting is **10 September 2024 (potential to cancel)**
- Date of CDWG2 meeting is **17 September 2024 (potential to cancel)**

Meeting dates	21 August	25 September	23 October
<b>Relevant milestones or activities</b>	<ul style="list-style-type: none"> <li>• Code Artefact M6 recommendation/ approval</li> </ul>	<ul style="list-style-type: none"> <li>• MHHS SCR Modification Raised for M7</li> </ul>	
<b>Agenda items</b>	<ul style="list-style-type: none"> <li>• Code Artefact M6 recommendation/ approval</li> <li>• M7 Updates</li> <li>• M8 Updates</li> </ul>	<ul style="list-style-type: none"> <li>• M7 Updates</li> <li>• M8 Updates</li> </ul>	<ul style="list-style-type: none"> <li>• M7 Updates</li> <li>• M8 Updates</li> </ul>
<b>Standing items</b>	<ul style="list-style-type: none"> <li>• Headline report and actions</li> <li>• Programme updates</li> <li>• Horizon Scanning Log</li> <li>• CCAG Reporting</li> <li>• CDWG Updates</li> <li>• Next steps</li> </ul>	<ul style="list-style-type: none"> <li>• Headline report and actions</li> <li>• Programme updates</li> <li>• Horizon Scanning Log</li> <li>• CCAG Reporting</li> <li>• CDWG Updates</li> <li>• Next steps</li> </ul>	<ul style="list-style-type: none"> <li>• Headline report and actions</li> <li>• Programme updates</li> <li>• Horizon Scanning Log</li> <li>• CCAG Reporting</li> <li>• CDWG Updates</li> <li>• Next steps</li> </ul>

If you would like to request agenda items for the CCAG, please contact [PMO@mhhsprogramme.co.uk](mailto:PMO@mhhsprogramme.co.uk)

# Appendices

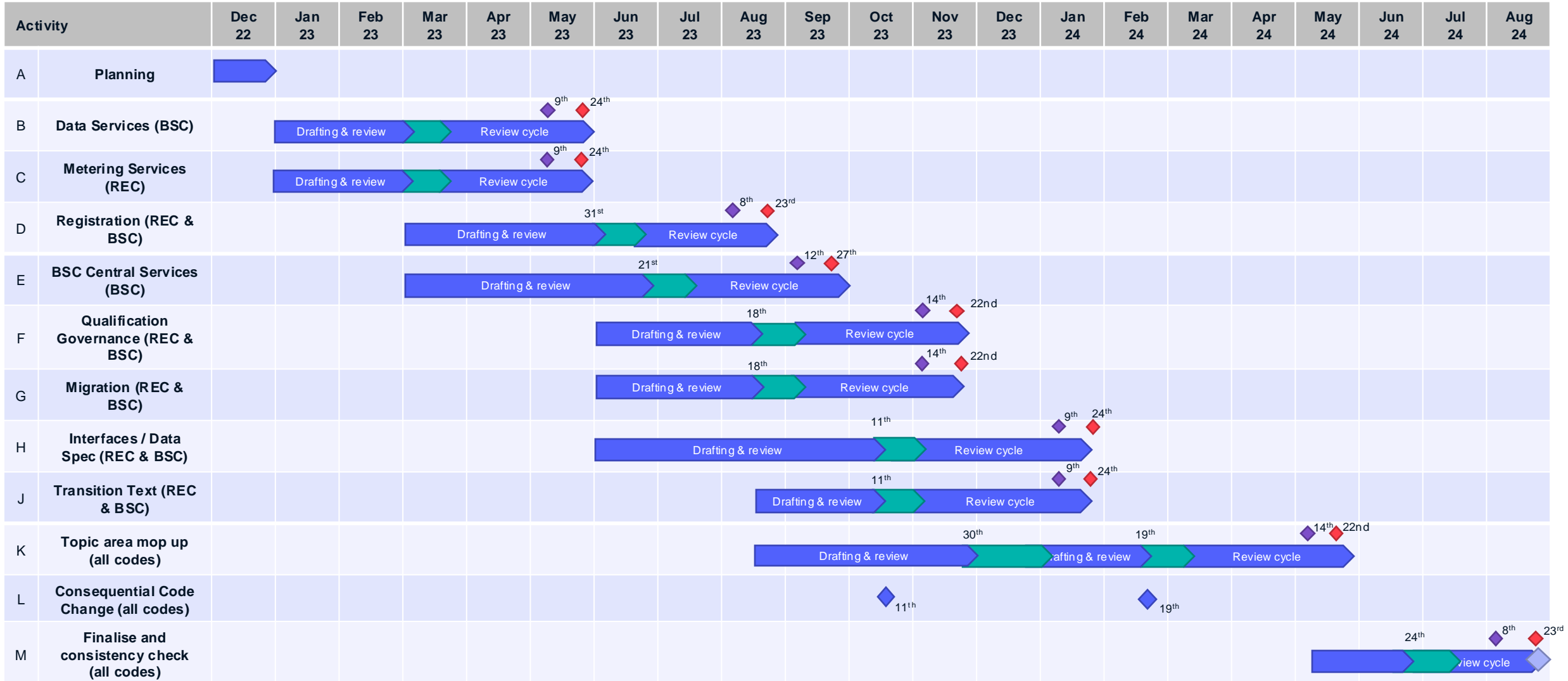
- *Appendix 1 – Code Drafting POAP*
- *Appendix 2 – MHHS License Review Assessment*



# M6 Code Drafting POAP

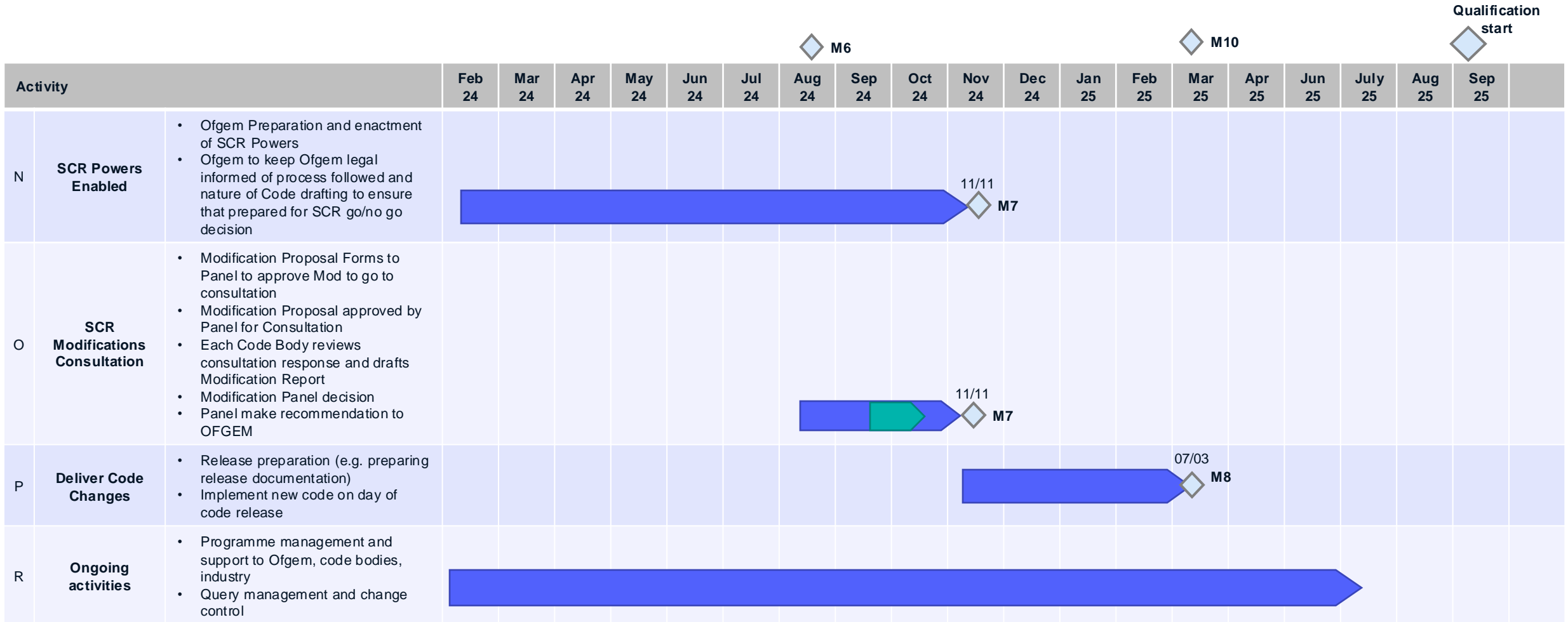
**Key:**




	Industry Consultation		CCAG
	CDWG		Consequential code change consultation



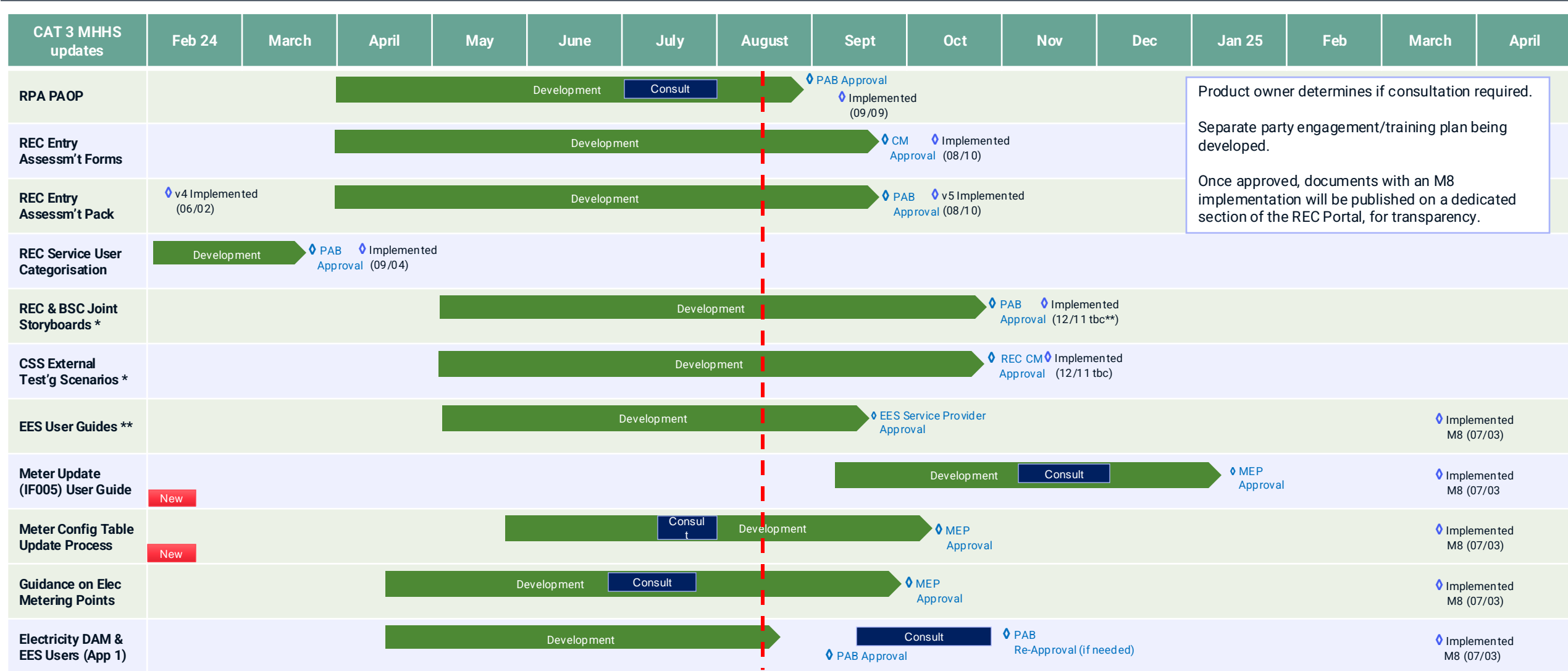
M6 - 23rd Aug

# M7 and M8 Plan on a Page



-  = activity
-  = milestone
-  = consultation

# MHHS RELATED REC CATEGORY 3 POAP V1.2 (14/08/2024)



Product owner determines if consultation required.

Separate party engagement/training plan being developed.

Once approved, documents with an M8 implementation will be published on a dedicated section of the REC Portal, for transparency.

**Updates from Version 1.1**

- Meter Config Table Update Process – Consultation brought forward by one month
- Guidance on Elec Metering Process – approval moved from Aug to Sept 24
- REC Entry Assessment Forms approved by Code Manager rather than REC PAB
- TPI Code of Practice removed from CAT3 POAP. Assumption that MHHS requirement delivered through REC CP R0137 (moves the TPI CoP from CAT3 to CAT2) planned for Apr 25 implementation.

**Notes**

\* Dates tbc and will be developed with BSCCo. CSS External Testing Scenarios may require update to reflect changes to Joint Storyboards (tbc).

\*\* Separate EES User Guides for Distributors, Suppliers, MEM & Supplier Agents, 3rd Parties, Non-Domestic Customers & TPIs (6 in total).