



**MHHS  
PROGRAMME**

Industry-led, Elexon facilitated

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# Cross Code Advisory Group #10

## 28 September 2022

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Version 1.0

MHHS DEL648

Document Classification: Public

# Agenda

#	Item	Objective	Type	Lead	Time	Page
1	Welcome			Chair	10:00-10:05 5 mins	
2	Minutes and Actions	Approve minutes of previous meeting and review outstanding actions	Decision	Chair & Secretariat	10:05-10:20 15 mins	
3	Programme Updates	Updates from MHHS Programme governance groups and the wider Programme	Information	Programme (PMO)	10:20-10:25 5 mins	
4	Horizon Scanning Log	Updates from all Code Bodies on changes which may impact MHHS Programme	Information	Code Bodies, Programme (PMO & Matt McKeon)	10:25-11:10 45 mins	
5	Code Drafting Plan Update	Code drafting plan updates including impact to level 3 plan timelines and updates from Code Bodies on approach to legal review per ACTION CCAG09-02	Information	Programme (Andrew Margan)	11:10-11:25 15 mins	
6	Replan Activity for M7/M8	Update CCAG on M7/M8 timelines in second round of replan consultation and discussion on appropriate delivery dates	Discussion	Programme (Jason Brogden)	11:25-11:35 10 mins	
7	REC/BSC Code Drafting Prototyping	Update on REC/BSC code drafting prototyping including use of iServer	Information	Programme (Jason Brogden)	11:35-11:45 10 mins	
8	CDWG Update	Updates on CDWG	Information	Programme (PMO)	11:45-11:50 5 mins	
9	Summary and Next Steps	Summarise meeting actions and next steps	Information	Chair & Secretariat	11:50-11:55 5 mins	

## Attachments

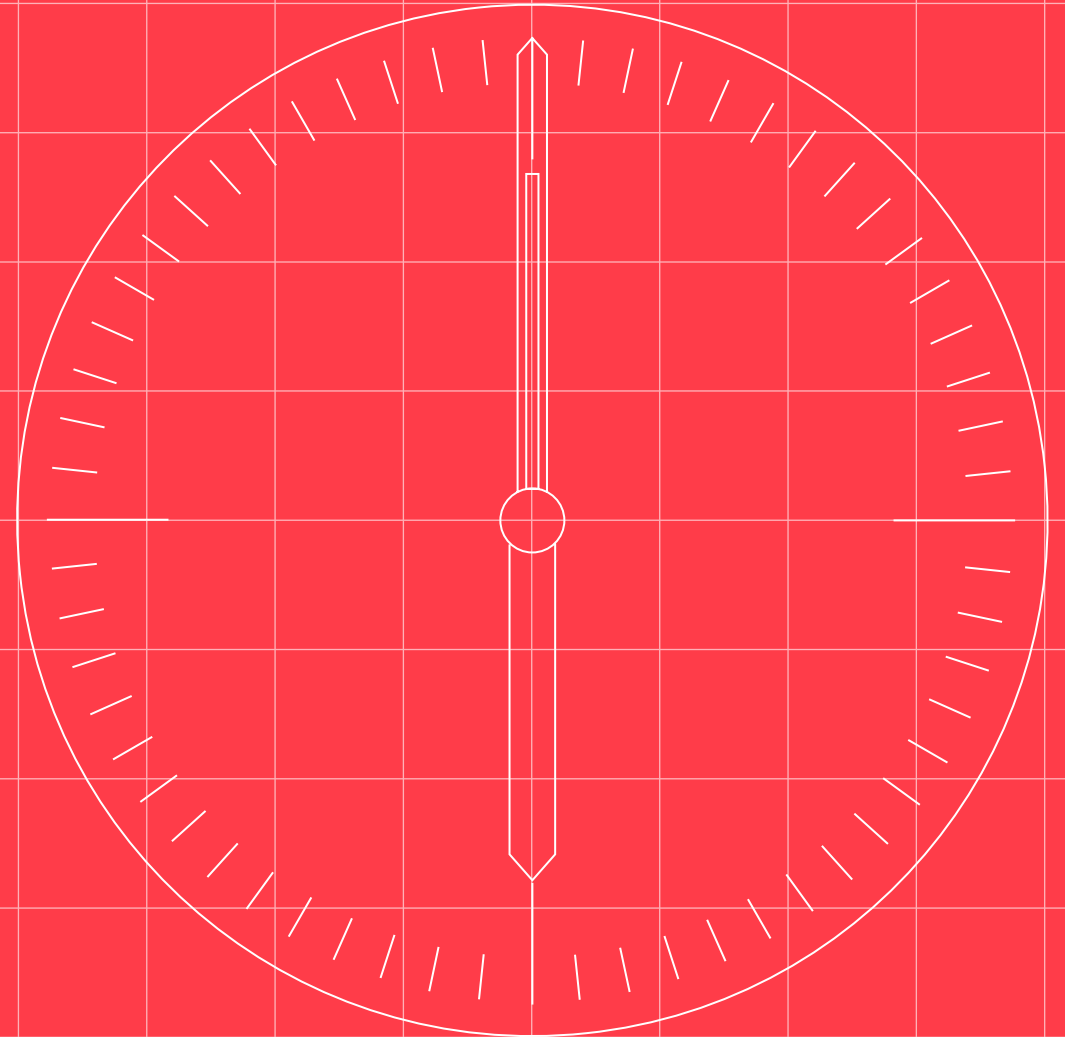
Attachment 1 – CCAG 24 August 2022 Minutes and Actions v1.1 (change marked)

# Minutes and Actions

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

*Chair & Secretariat*

*15 mins*



## Minutes and Actions (1 of 2)

- Approval of Minutes from CCAG meeting held 24 August 2022 – amendments suggested by members, see Attachment 1
- Review of outstanding actions:

Ref	Date Raised	Action	Owner	Due Date	Update
CCAG07-11	22/06/2022	Consider the enduring referencing and hosting of design artefacts and how this should be brought into each code. Update the code draft principles for approval in July CCAG.	Programme (Andrew Margan)	20/07/2022	ONGOING: Prototyping of iServer for enduring solution ongoing. Updates to be provided under agenda item 7.
CCAG08-01	27/07/2022	Speak with design team and clarify the process of how data item industry changes are tracked and managed within the Programme	Programme (Fraser Mathieson)	17/08/2022	ONGOING: Discussion in progress. Update to be provided in meeting.
CCAG08-04	27/07/2022	Meet with Justin Andrews (DAG chair) to discuss CCAG member concerns that some design artefacts are not sufficient to draft code from	Chris Welby	17/08/2022	RECOMMEND CLOSED: Discussion held, Participants requested to submit examples via design consultation.
CCAG08-05	27/07/2022	Discuss with REC any implications for code drafting as a result of MHHS on the REC that sit outside scope of the Programme design. Raise with design as required (e.g. through CCIAG)	Programme (Jason Brogden)	17/08/2022	RECOMMEND CLOSED: Raised at CCIAG.
CCAG08-06	27/07/2022	Provide feedback and supporting rationale on whether new code needs to be implemented for qualification (i.e. if qualification start is dependent on M6 (CCAG approval of code) or M8 (code implementation)). If code does not need to be implemented for qualification, provide feedback and rationale on the time at which new code does need to be implemented.	CCAG members	17/08/2022	ONGOING: Updates to be provided under agenda item 6.
CCAG08-07	27/07/2022	Progress discussions on the enduring solution for hosting design artefacts and bring back to CCAG: 1. Whether the design will be maintained post go-live (and if so, how) 2. Confirm for all code bodies the role iServer plays for their code drafting	Programme (Jason Brogden)	17/08/2022	ONGOING: Updates to be provided under agenda item 7.
CCAG08-08	27/07/2022	Determine the approach to drafting topic areas that will not be drafted from the design baseline (e.g. qualification, transition) and bring to back to CCAG.	Programme (Andrew Margan)	17/08/2022	RECOMMEND CLOSED: Raised at CCIAG. Update to be provided in meeting.
CCAG09-01	24/08/2022	Chair to follow-up with MHHS Testing Workstream regarding response to CH query on qualification	Chair	31/08/2022	ONGOING: Action complete, communication in progress. Action retained as ongoing until query resolved.

## Minutes and Actions (2 of 2)

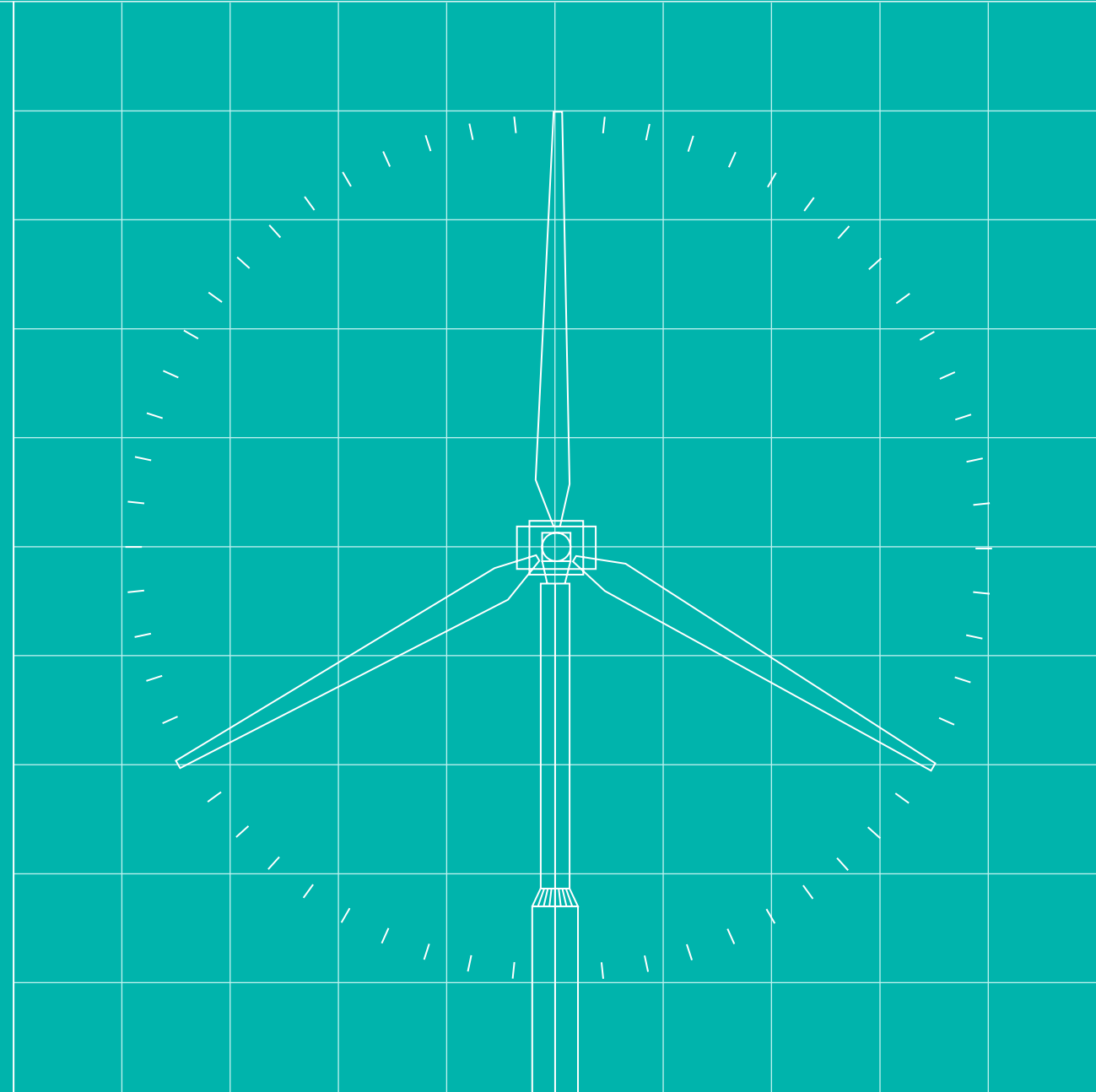
Ref	Date Raised	Action	Owner	Due Date	Update
CCAG09-02	24/08/2022	All Code Bodies to confirm approach to legal review of code text (e.g. will this occur during each drafting topic prior to consultation, or later, for example, during consistency review, etc.)	Code Bodies	14/09/2022	ONGOING: Two responses received. Further call for responses to be made. Updates to be provided under agenda item 5.
CCAG09-03	24/08/2022	BSC Representative to check whether recent BSC sandbox application is affected by MHHS	BSC Representative (Lawrence Jones)	14/09/2022	RECOMMEND CLOSED: Update to be provided in meeting.
CCAG09-04	24/08/2022	CCAG to provide reminder to MHHS Design Team to resource attendance at CCAG and present on progress of latest changes	Chair	14/09/2022	RECOMMEND CLOSED: Action complete. Design Team to attend and present updates on Horizon Scanning Log (see agenda item 4).
CCAG09-05	24/08/2022	Highlight BSC MHHS success criteria to DAG	Programme (PMO)	14/09/2022	RECOMMEND CLOSED: Raised to DAG Chair. Criteria to be informally considered by DAG as part of M5 approval.
CCAG09-06	24/08/2022	Programme to produce key code drafting dependencies relating to qualification to inform view of code drafting and text activation requirements	Programme (Andrew Margan)	14/09/2022	ONGOING: Update to be provided in meeting.
CCAG09-07	24/08/2022	Programme to update Programme plan with latest code drafting inputs through the MHHS replan activities.	Programme (Becca Fox)	09/09/2022	RECOMMEND CLOSED: Programme has reviewed consultation comments and applied to level 3 code drafting plan.
CCAG09-08	24/08/2022	Programme to engage with Ofgem regarding CCAG decision to link M7/M8 delivery to M10.	Programme (Andrew Margan)	14/09/2022	RECOMMEND CLOSED: Ofgem advised and discussion meeting offered.
CCAG09-09	24/08/2022	Programme to confirm where/how DIP data specification is hosted, managed, and owned.	Programme (Design Team)	14/09/2022	RECOMMEND CLOSED: Update to be provided in meeting.
CCAG09-10	24/08/2022	CCAG members to discuss with constituents whether a pre-CCAG webinar would be of value and provide views to Programme to enable decision	CCAG members	14/09/2022	RECOMMEND CLOSED: Responses thus far suggest 'give it a go' but no direct evidence of need.

# Programme Updates

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

*Programme – PMO*

*5 mins*



Governance group updates

**Programme Steering Group (PSG)**

Updates from PSG 07 September 2022

- Programme re-plan** – the Programme summarised outputs of round 1 re-plan consultation and PSG discussed the plan for round 2 consultation.
- Key Programme Issues** – the PSG discussed two key issues and associated actions around SEC MP162 and migration.
- Consequential change process** – the Programme provided an overview of the recently improved consequential change process via the CCIAG.
- Control Point 1** – the Programme presented an overview of Control Points at MHHS and the process for delivering Control Point 1.
- CR009 decision** – following Ofgem approval of CR009, the new version of the [interim plan](#) was published.
- IPA Baseline Health Check** – the Programme advised all IPA recommendations had been accepted save one. PSG reps were asked to obtain feedback from constituents on readiness for M3.
- PSG Webinar** – The PSG is now holding a monthly webinar to provide an overview of the matters under discussion at the PSG. To receive an invite, please contact [PMO@mhhsprogramme.co.uk](mailto:PMO@mhhsprogramme.co.uk).

The PSG Headline Report is available [here](#).

**Design Advisory Group (DAG)**

Update from DAG 14 September 2022

- Code Changes Review** – An overview was provided to the DAG of how the Programme manage regulatory changes emanating from the external environment. Management of external code changes will become very important post-M5.
- CCIAG Progress Update** – The DAG reviewed metrics on the operation of CCIAG. Topics currently under discussion include removal of Estimate Annual Consumption (EAC), and the definition CSS user roles. A Consequential Change Log will be published detailing all CCIAG discussion items, categorisations, and management actions.
- MHHS Design Status Update** – The were advised over 1500 comments had already been received in response to the design baseline consultation. Comment resolution and dissensus sessions will be held in October and joining details will be published in The Clock.

DAG Headline Report available [here](#).

**Testing and Migration Advisory Group (TMAG)**

Agenda Items for TMAG 2022 22 September 2022

- dPMO** – the Programme provided a walkthrough of the Digital Programme Management Office (dPMO).
- Programme Re-plan Review** – the Programme provided an overview of the content of the Round 1 Programme re-plan consultation ahead of further rounds of consultation in August and September 2022. TMAG members provided some feedback. The Programme encouraged TMAG participation.
- Working Group Updates** – the TMAG heard updates from the DWG, MWG, QWG, and EWG. A focus was on activity at the MWG where options for the Programme approach to migration were being developed.
- PPC Introduction** – the Programme’s PPC team provided an overview of their role in engaging and supporting participants and provided information on where support can be obtained.

TMAG Headline Report available [here](#).

Wider Programme updates

**Programme re-plan**

- Round 1 re-plan consultation closed on 26 August 2022.** This round focused on selected high-level Planning Artefacts, provided to improve consensus on plan structure, activity durations and sequencing, and to test high-level assumptions, dependencies, and related risks.
- Round 2 consultation is open 12 September – 30 September 2022.** A full draft Programme plan has been published for consultation, including all activities, activity durations, milestones and dates, sequencing, and risks / assumptions / issues / dependencies information.
- Re-plan walkthrough sessions.** The Programme will host sessions specific to each constituency on 22 & 23 September 2022 to walkthrough the plan and undertake a Q&A.
- If you would like to attend any walkthrough session or require assistance obtaining re-plan content from the Collaboration Base. Please contact [PMO@mhhsprogramme.co.uk](mailto:PMO@mhhsprogramme.co.uk) for more information.

**Design Progress**

- The design baseline consultation closed on Friday 16 September.** Over 3000 comments were received and the MHHS Design Team are now triaging all comments with the intention of issuing response to every comment no later than 03 October 2022. All consultation **design artefacts are available** via the Programme [Collaboration Base](#).
- Comment review sessions will be held 03 and 04 October 2022.** Registration details will be provided in The Clock on 21 September 2022.
- Following the Design Playback sessions in August 2022,** a range of support material is available via the [Collaboration Base](#) playback recordings are available on the [MHHS YouTube channel](#).

**Readiness Assessment 2 (RA2)**

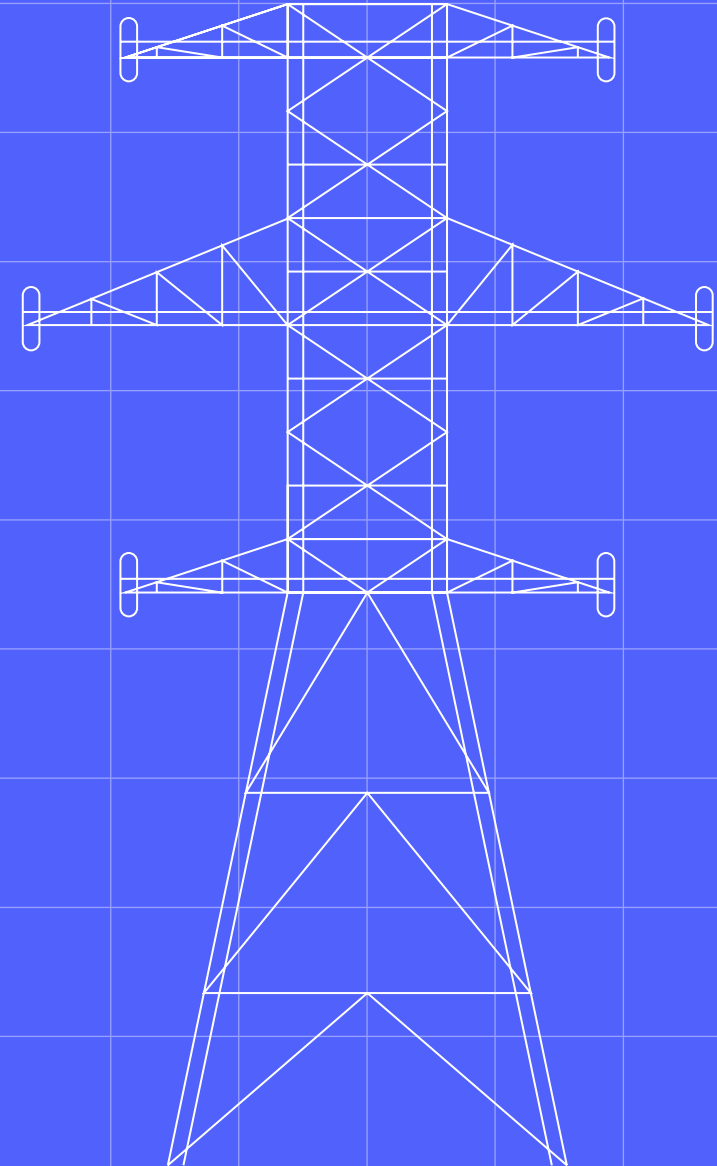
- RA2 questions will be released on 19 September 2022.
- A webinar was held on RA2 on 30 August 2022. The slides and recording can be found [here on the MHHS website](#).

# Horizon Scanning Log

**INFORMATION:** Updates from all Code Bodies on changes which may impact MHHS Programme

*Code Bodies & Programme  
(PMO & Matt McKeon)*

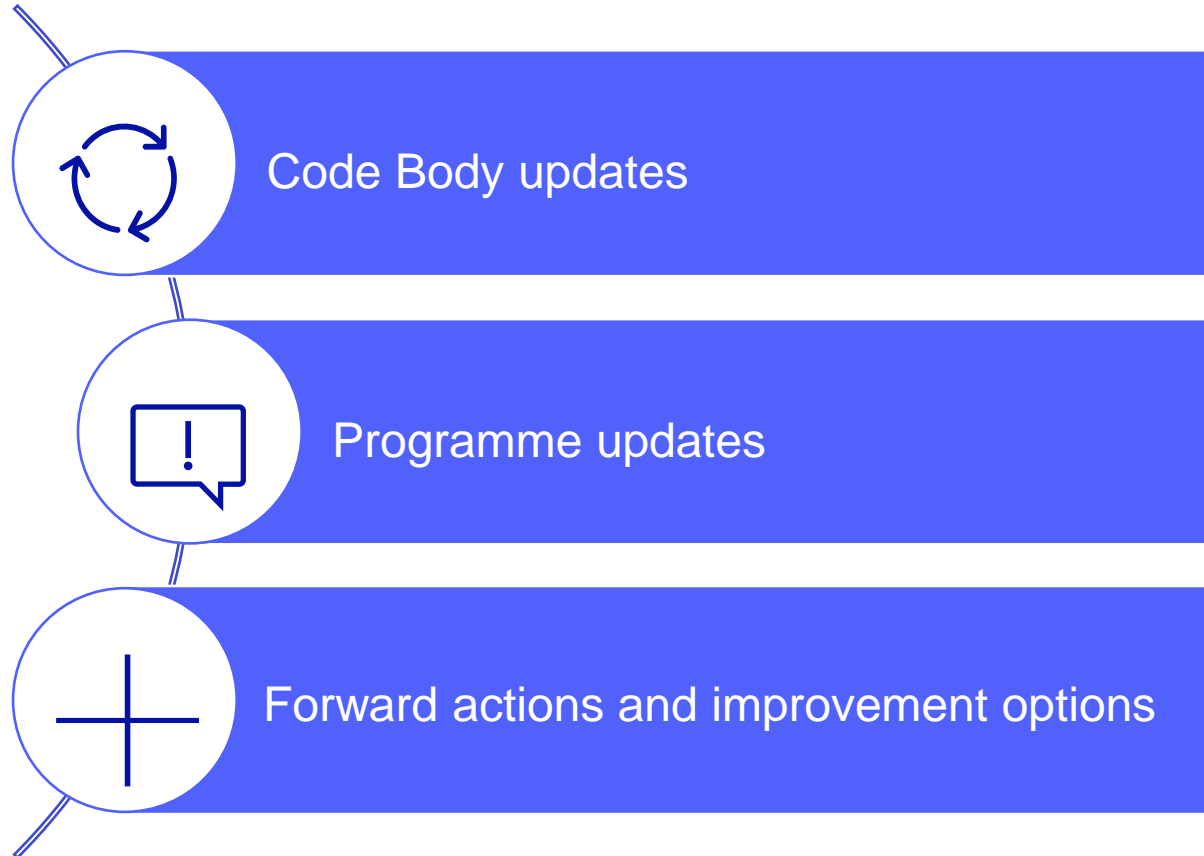
*45 mins*



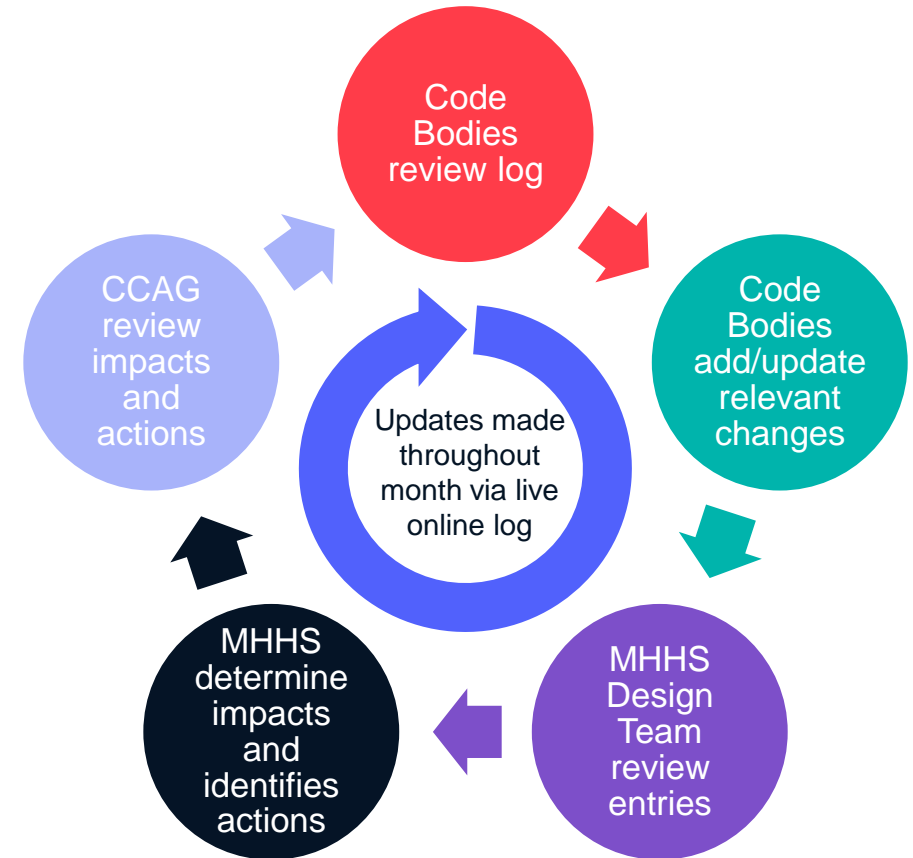


# Horizon Scanning Log

CCAG Horizon Scanning Log 28 September 2022



Reminder: Horizon Scanning Log Process



Live log available on the [MHHS Portal](#) – please contact [PPC@mhhsprogramme.co.uk](mailto:PPC@mhhsprogramme.co.uk) if you require access

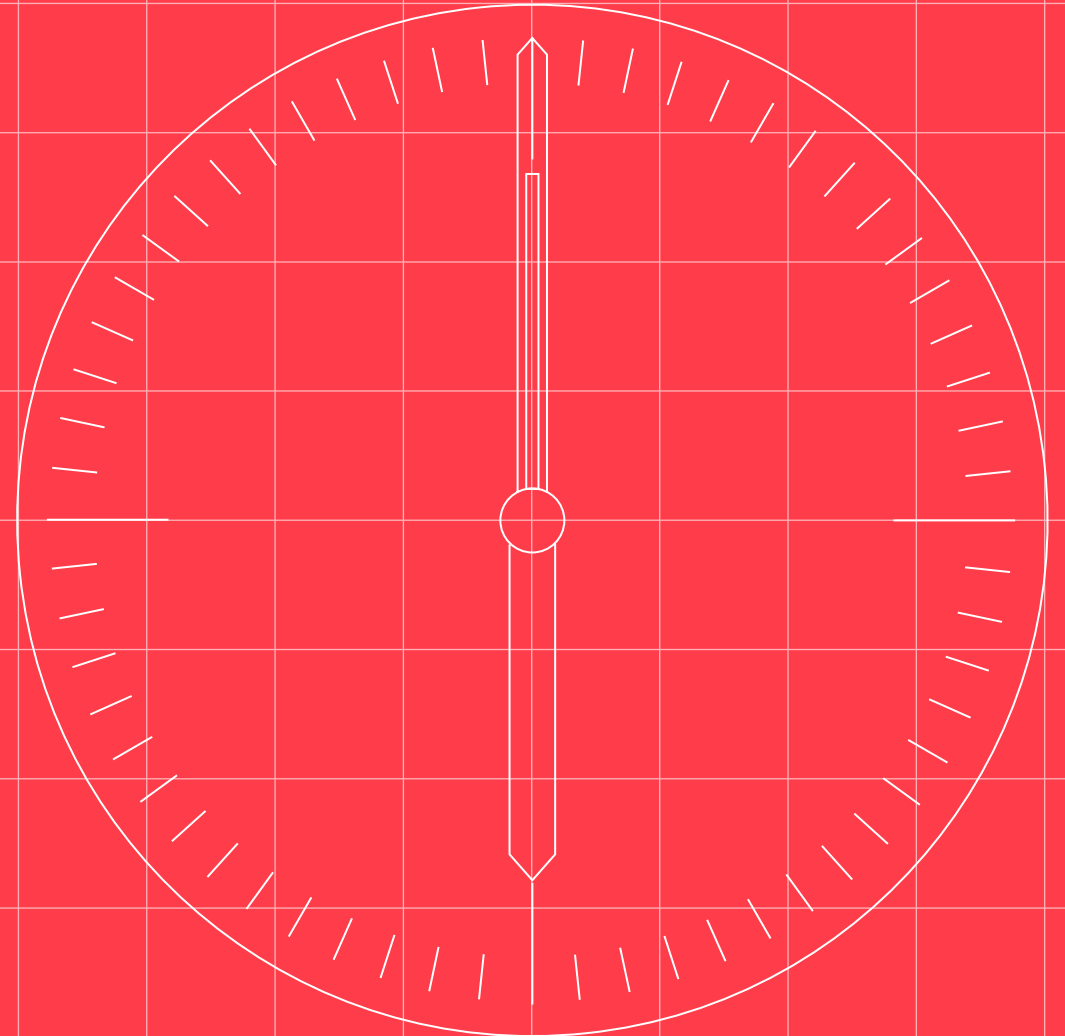
Direct link: [MHHS-DEL387 CCAG Code Change Horizon Scanning Log v1.0](#)

# Code Drafting Plan Update

**INFORMATION:** Code drafting plan updates including impact to level 3 plan timelines and updates from Code Bodies on approach to legal review per ACTION CCAG09-02

*Programme – Andrew Margan*

*15 mins*



# Code draft plan to M6

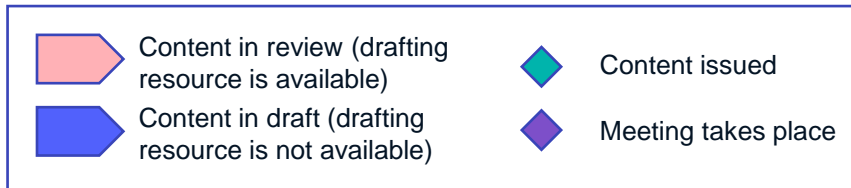
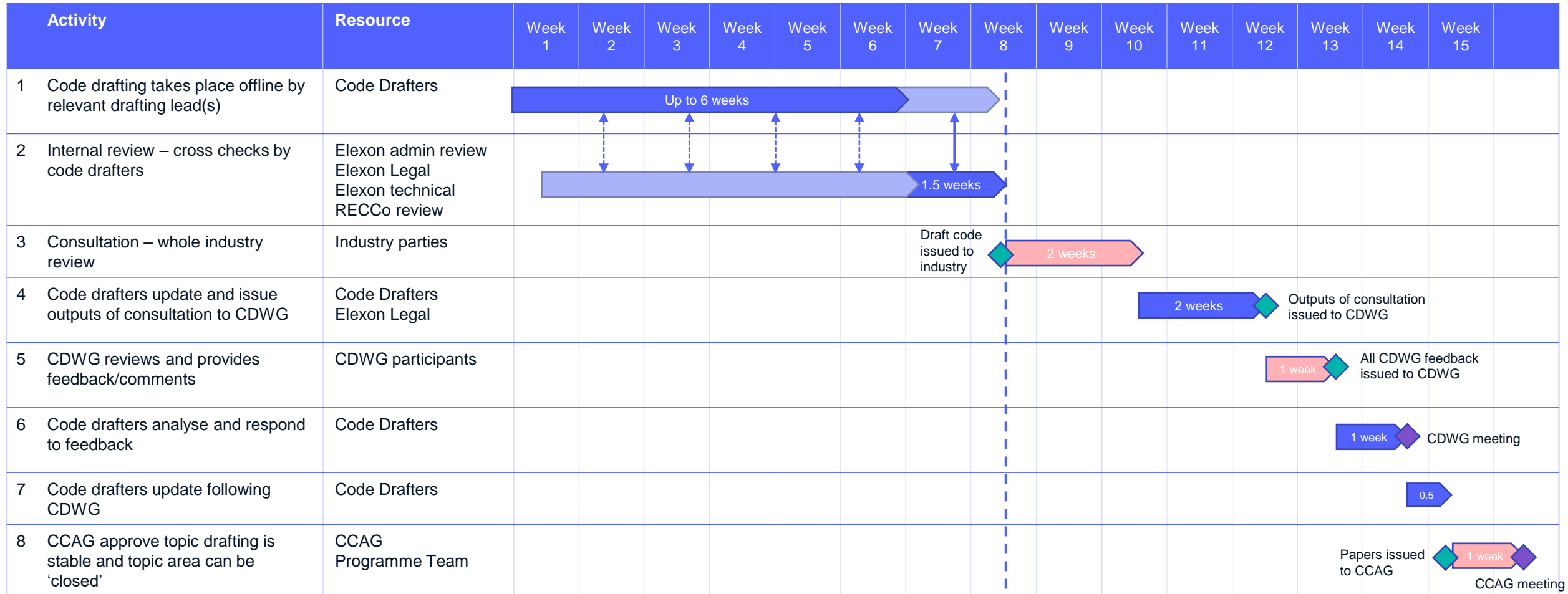
M5

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	
A	<b>Planning</b>	Impact assess design, finalise plan, define M6-8 acceptance criteria (4 wks)	4 wk																		
B	<b>Data Services (BSC)</b>	Drafting (5 wks) and review cycles (10 wks)		15 weeks																	
C	<b>Metering Services (REC)</b>	Drafting (some soft-start) (5 wks) and review cycles (10 wks)		15 weeks																	
D	<b>BSC Central Services (BSC)</b>	Drafting (7.5 wks) and review cycles (13.5 wks)			21 weeks																
E	<b>Registration (REC and BSC)</b>	Drafting (some soft-start) (8.5 wks) and review cycles (12.5 wks)			21 weeks																
F	<b>Review</b>	Mid-point assessment of process (2 wks)					2														
G	<b>Governance (REC and BSC)</b>	Drafting (7.5 wks) and review cycles (8.5 wks)				18 weeks															
H	<b>Qualification (all codes)</b>	Drafting (7.5 wks) and review cycles (8.5 wks)				18 weeks															
I	<b>Interfaces / Data Specification (REC and BSC)</b>	Drafting (7.5 wks) and review cycles (11.5 wks)						19 weeks													
J	<b>Transition Text (all codes)</b>	Drafting (7.5 wks) and review cycles (11.5 wks). Soft start during previous topics						19 weeks													
K	<b>Topic area mop up</b>	Review & plan (2 wks). Drafting (4 wks). Review cycles (10 wks)								16 weeks											
L	<b>Finalise and consistency check</b>	<ul style="list-style-type: none"> <li>Gap analysis and consistency check (3 wks)</li> <li>Finalise documentation (3 wks)</li> <li>Final consultation and approval (14 wks including 2 wk Xmas break)</li> </ul>										20 weeks									

M6

← 13 months →

## CCAG Plan – Topic area code drafting steps and review cycles



## Code drafting principles and approach

- Latest principles and approach information following review at the mid-month post CCAG Code Body meeting
- Please note, the principles and approach are to be considered a 'living' document and may be subject to change as needs evolve

### Principles

1. Code drafting will take a **lean approach** - new wording and content changes will be minimised, and any changes simple and direct. Code drafting will be clear, unambiguous and complete in order to negate/reduce the need for associated supporting documents.
2. Code drafting will **reflect the content of the design (i.e. the MHHS Target Operating Model (TOM))** and not re-open the merits of each design solution (the Programme is design-led).
3. Code drafting will be **colour coded/change marked**, to support drafting and assurance review.
4. The **code with the largest impact (REC or BSC) will lead the code drafting activity by topic area** and other codes **will dovetail at the mop-up and consistency checks stage; e.g. when the REC and BSC work is more stable**; e.g. REC/MHHSP will drive code draft activity and DCUSA presents their consequential changes at the same time. Similarly, codes will undertake their drafting under each topic area at the same time.
6. **Code drafting artefacts will be held centrally**, and available on the MHHS Portal
7. **Code drafting and review will take place offline**. Comments from review will be addressed in the working group by exception (i.e. only where specific comments require discussion)
8. The ownership of code drafting and review cycles by topic area will be delegated to the L4 Working Group by the CCAG
9. **CCAG will retain control to recommend implementation and request Ofgem Smart Meter Act Powers.**
10. **Mini-Consultation will be by all Programme Participants** via their principal contacts.
11. ~~Mini-~~ Consultation, drafting reviews, and **code drafting itself will occur in parallel where possible**
12. In accordance with Ofgem timetable, code drafting will not change settlement timetable until transition is complete
13. **Initial qualification** will be undertaken against the design not code drafting
14. Requirements for, or impacts on, transitional text, consequential change, performance assurance, qualification, migration, and terminology consistency, impacts on previous drafting topics or snags for upcoming drafting topics will be considered through the development of code legal text

### Approach

1. **Topic areas to be drafted in order by largest first** (to be validated by BSC and REC matrix planning activity and with final outputs of the design). **Time required to draft for each topic area will flex** depending on the volume of drafting required. The topic areas will be: 1) Data Services, 2) Metering, 3) Registration, 4) Interfaces/Data Specification, 5) BSC Central Services, 6) Governance, 7) Transitional text
2. A **consistency check** will provide assurance and gap analysis to cross reference code sections to design artefacts. This will ensure all artefacts are codified. Code Bodies will lead the consistency check, with support from other code bodies, the Programme
3. **Any changes to the design** post M5 will require a Programme Change Request and supporting evidence
4. **CDWG will be the formal working group**. The CCAG will maintain mid-month meetings with code bodies.
5. **Some code drafting can be 'warm started'**. This includes transitional text (as each topic area completes) and consequential changes for non-REC/BSC (see Principle 14).
6. Draft text will require internal **reviews** before being sent to ~~mini-~~consultation
7. The Programme will **centrally manage consultations and submission of code changes to Ofgem**, collating code documentation where necessary
8. **Enduring design artefact management** post-programme completion will be provided via a design document repository accessible to all

## Code Body Feedback on Legal Review Approach

Below are the responses received thus far in relation to ACTION CCAG09-02:

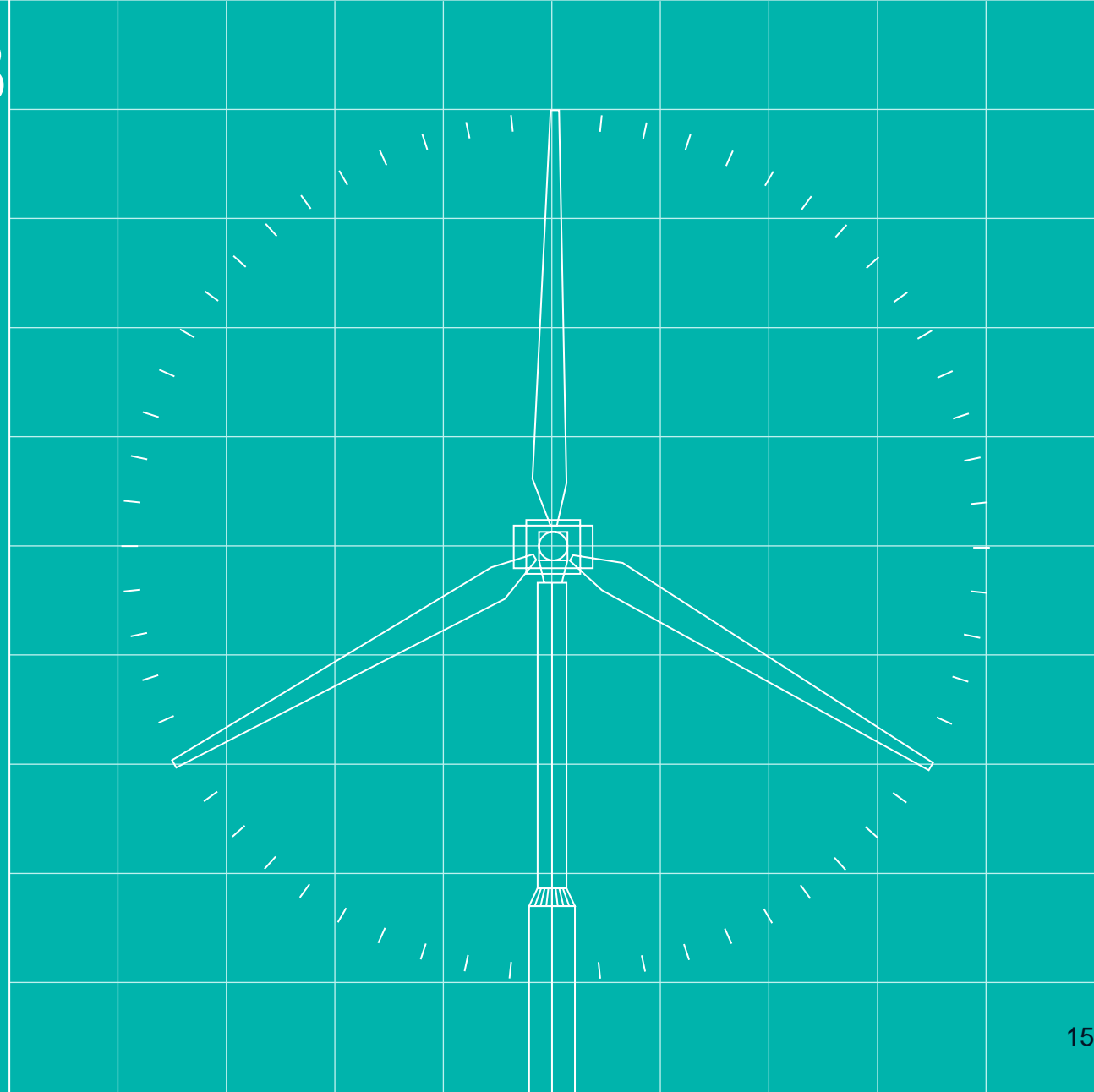
Code:	Approach to legal review:	Additional comments:
CCAG09-02	All Code Bodies to confirm approach to legal review of code text (e.g. will this occur during each drafting topic prior to consultation, or later, for example, during consistency review, etc.)	Code Bodies
BSC		
CUSC		
DCUSA	The normal change process we adopt is to not undertake a legal review during the consultation stage but at the change report stage i.e. after considering the responses from the consultation and prior to submitting the change to the Panel. This is the same approach we adopted during the Faster Switching Programme. For the MHHS our assumption is that the same approach will be adopted. This would mean that the legal review would be undertaken during the consistency review at the end of the process.	None.
REC	RECCo intends to engage with our legal advisors as required during the initial drafting activity i.e. if specific legal points need to be reflected in the text. However, we will not request a full legal review ahead of consultation to avoid the additional cost of multiple reviews where the drafting is amended to address industry comments. Following initial CCAG approval of drafting for each subject area we will carry out a consistency check and complete a full legal review with any change highlighted at the point the final text is approved by CCAG.	None.
SEC		

# Replan Activity for M7/M8

**DISCUSSION:** Update CCAG on M7/M8 timelines in second round of replan consultation and discussion on appropriate delivery dates

*Programme – Jason Brogden*

*10 mins*



### Key Points

CR003 moved M6 to September 2023 based on what we knew in April 2022 and is subject to the replan. Following further analysis, the CCAG code drafting plan has been extended from 12 months to 13 months in the replan activities. The proposed new M6 delivery date is January 2024.

We have undertaken activity to add significant detail to the plan to enable us to effectively manage code drafting on a day-to-day basis. This has highlighted the following:

- The code drafting start date has moved from 1<sup>st</sup> December 2022 to 3<sup>rd</sup> January 2023 to ensure the prototyping activities are completed prior to commencing code drafting and to enable an uninterrupted start.
- Gathering lessons learnt from the Design Team and CCAG feedback has identified that we require extra time during the triage and actioning of consultation comments, so this activity has been extended by an extra week for each topic area.
- During the parallel running of code drafting and the triage and actioning of consultation comments from the previous topic area, we have added in extra time to ensure we are not double counting resource.
- Once the governance meeting cycles had been overlaid onto the plan it pushes the plan out further by 4 weeks.
- The plan ensures pressure during periods of high annual leave (Easter, Summer and Christmas) has been taken into account



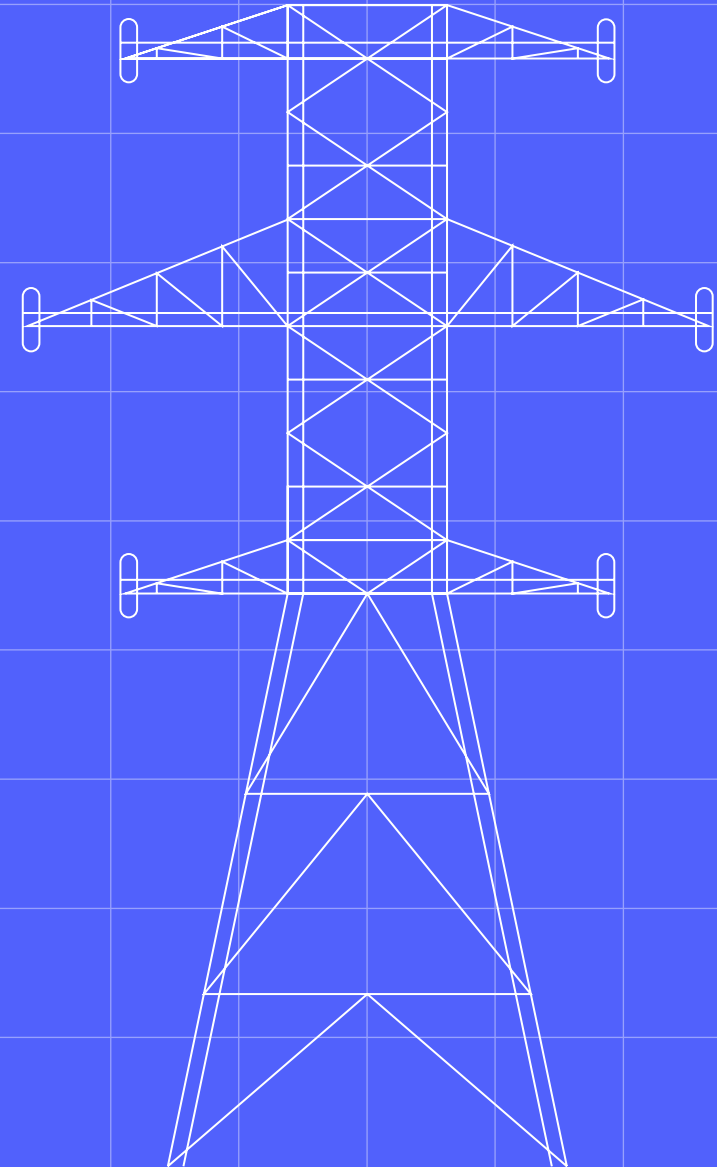
#	Option Description	Pros	Cons	Implications	Dependencies
1	M8 delivered first industry release (ASAP)	Aligns with current Programme planning Gives industry oversight of text under individual codes to assess new modification changes	Text is designated into code months before MHHS go-live Change control through BAU mod process Likely to require multiple releases	Text changes will be managed by individual codes (not MHHSP) Panels will assess new mods against MHHS text	Before Qualification First available release
2	M8 delivered (As late as possible)	Enables a single code release MHHS text central stored and easier to find Change control through MHHSP governance - more nimble	Risks Panel's won't assess new mods against MHHS text	Text change pre-release will be via MHHSP governance A MHHS change control mechanism and version control matrix will need to be developed and resourced Pre-release code bodies will need to manage and align MHHS text to latest version of code	Last available release... Before PAB Sign-off – (qualification lead time?) Before M10 – central parties ready Before M11 – remaining parties Before Migration

# REC/BSC Code Drafting Prototyping

INFORMATION: Update on REC/BSC code drafting  
prototyping including use of iServer

*Programme – Jason Brogden*

*10 mins*



What are the expected outcomes from the prototyping sprints?

Sprint 1:

- Achieve M5 success criteria 5 to demonstrate that we can use the design artefacts to draft Codes
- Test both traditional and iServer methods and see if the reference to the Enduring Design Hub would work
- If the EDH approach would work, get an initial feel for which approach would be better
- If the EDH approach won't work, give ourselves a starting point for the method to be deployed in Code Drafting post-M5

Sprint 2:

Further test the preferred approach to define the approach into documentation to provide Code drafters with an agreed, consistent approach to execute in the Code drafting phase. It will allow us to improve any documentation on the approach as part of the planning and prep activities before starting the drafting.

## Prototyping Plan

### Prototyping plan:

- Traditional method will begin on 1<sup>st</sup> September (RECCo have already began)
- iServer prototyping will then follow on 12<sup>th</sup> September to allow time for documentation to be created around the traditional method
- The review of outputs and lessons will take place after both methods have been prototyped and documentation will be created and shared

Action	September																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Prototyping traditional method																				
Prototyping iServer																				
Review outputs and lessons																				

Key points:

To a large extent the same approach and a consistent method has been followed by both Code Bodies.

RECCo:

We can convert the end-to-end design artefacts into code drafting however, there are some considerations:

- The more the wording is tweaked to enable code drafting the greater the risk of challenge / comments from reviews and consultations
- There are some gaps in the design artefacts or there is ambiguity, and we are not clear on the approach to take to resolve this.
- An agreed approach and principles to drafting is required

Elexon BSC:

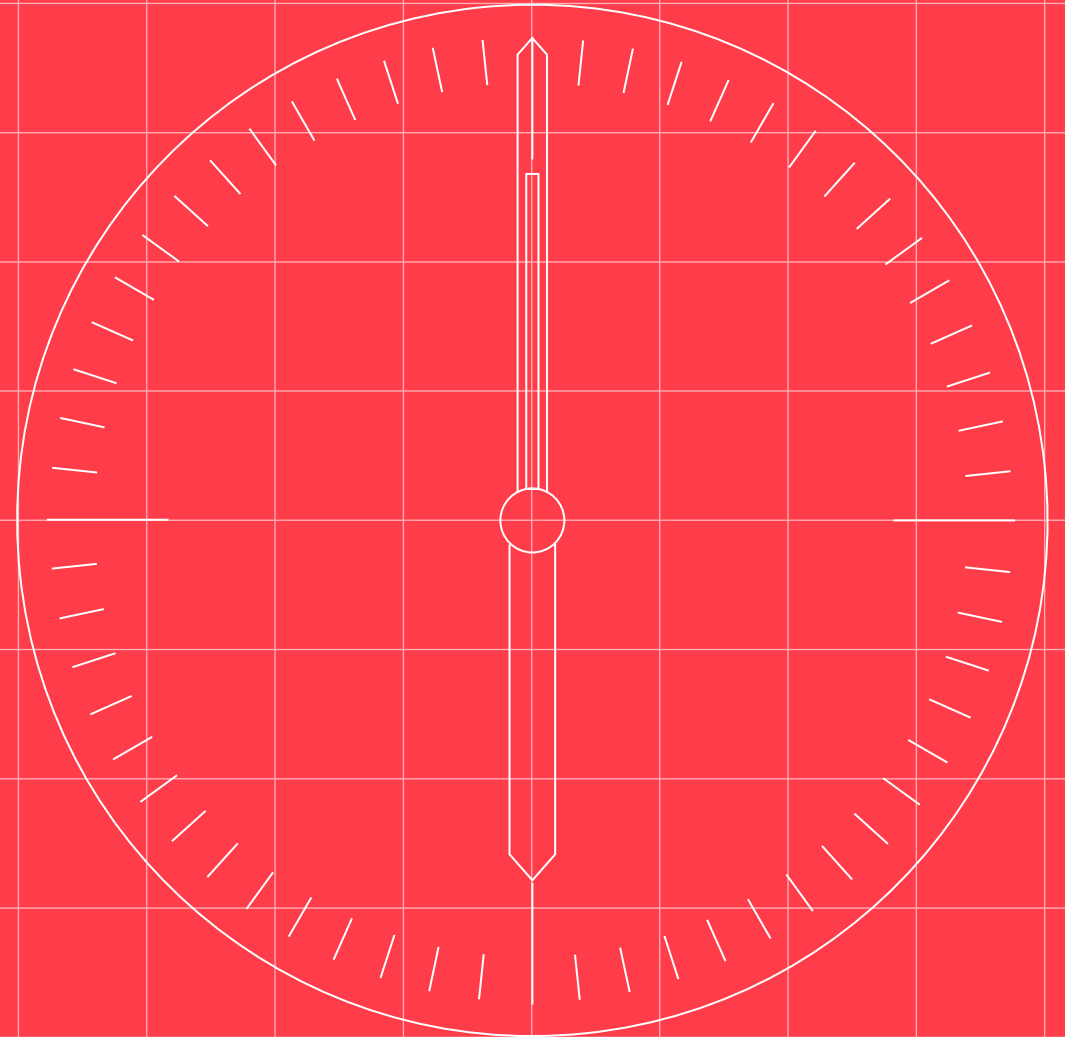
- BPs and BPDs are sufficiently rich and detailed to be able to draft the interface and timetable sections in the draft new BSCP701
- Operational Choreography document enables the appropriate SLA to be placed against each relevant process step
- Requirements have a high degree of overlap with BPs, but there are additional generic BRs that could be added to the BSCP
- An agreed approach and principles to drafting is required

# CDWG Update

INFORMATION: Updates on CDWG

*Programme – PMO*

*5 mins*

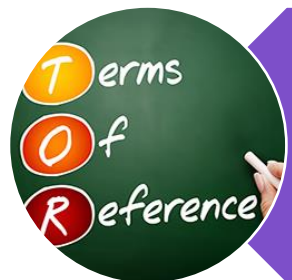




September CDWG update

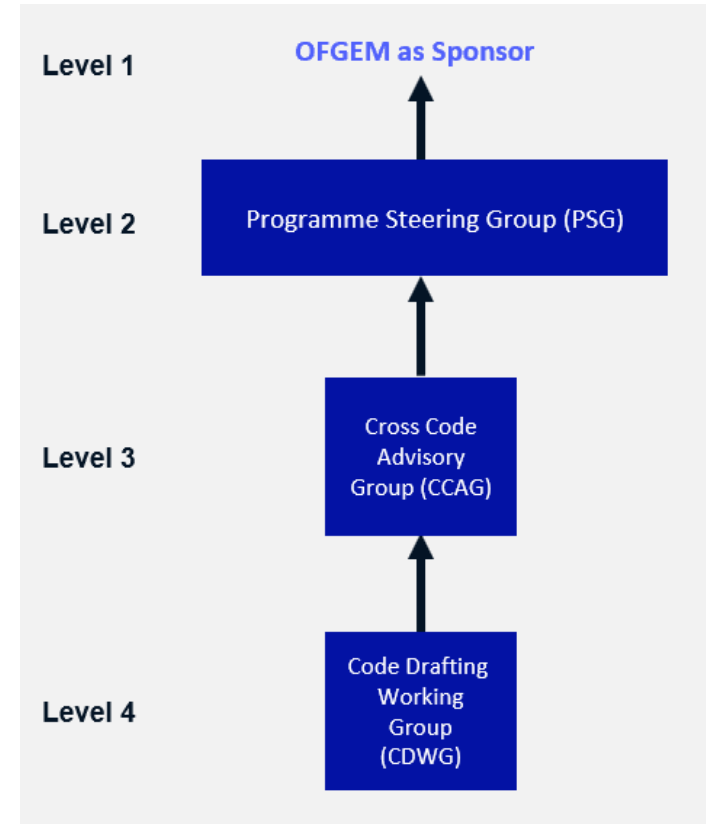


October CDWG decision



Upcoming agenda items

Extract of MHHS Programme Governance Structure

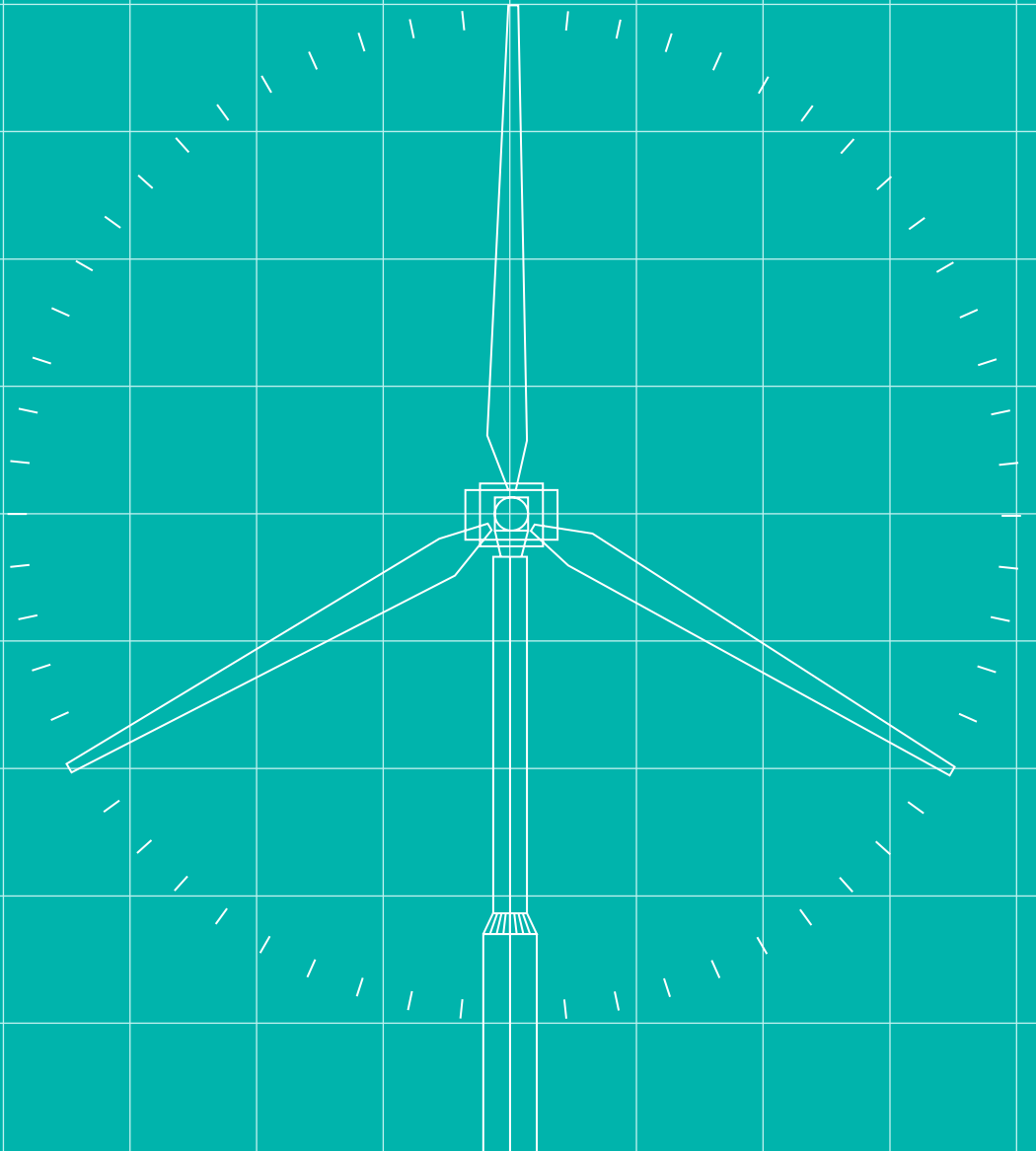


# Summary and Next Steps

INFORMATION: Summarise meeting actions and next steps

*Chair & Secretariat*

*5 mins*





## Next steps

- Secretariat to confirm actions and decisions from meeting
- Next CCAG meeting 26 October 2022 at 10:00am
- Next CDWG meeting 11 October 2022 at 10:00am
- CCAG Agenda Roadmap:

Meeting dates	28-Sep	26-Oct	26-Nov
Relevant milestone or activities			M5 (subject to CR009)
Agenda items	*Post-M5 Replanning Activity (CCAG consultation inputs) *Code drafting planning update *Code drafting approach to referencing design/iServer *Code drafting mobilisation	*Post-M5 Replanning Activity (CCAG consultation inputs) *Code Drafting Preparation Checklist *Code drafting planning update *Code drafting mobilisation *Code drafting plan update *Code drafting approach report	*M6: Code drafting process commences (subject to M5) *CCAG Status Report draft
Standing items	*Minutes & actions *Agenda roadmap *Horizon scanning log *Governance group updates *CDWG updates	*Minutes & actions *Agenda roadmap *Horizon scanning log *Governance group updates *CDWG updates	*Minutes & actions *Agenda roadmap *Horizon scanning log *Governance group updates *CDWG updates