
Cross Code Advisory Group #14

25 January 2023

Agenda

#	Item	Objective	Type	Lead	Time	Page
1	Welcome			Chair	10:00-10:05 5 mins	1
2	Minutes and Actions	Approve minutes of previous meeting and review outstanding actions	Decision	Chair & Secretariat	10:05-10:20 15 mins	3
3	Programme Updates	Updates from MHHS Programme governance groups and the wider Programme	Information	Programme (PMO)	10:20-10:25 5 mins	5
4	Horizon Scanning Log	Updates from all Code Bodies on changes which may impact MHHS Programme	Information	Code Bodies, Programme (PMO & Design Team)	10:25-10:45 20 mins	7
5	Consequential Change Code Drafting	Provide update on arrangements for bringing consequential change into Programme scope	Information	Programme (Andrew Margan)	10:45-11:00 15 mins	16
6	Round 3 Replan Consultation	Reminder for participants to provide replan consultation responses	Information	Programme (Jason Brogden)	11:00-11:10 10 mins	21
7	CCAG Reporting	Updates on code drafting activities against approved code drafting plan	Information	Programme (Becca Fox)	11:20-11:30 10 mins	25
8	CDWG Update	Updates from the Code Drafting Working Group (CDWG)	Information	Programme (Andrew Margan)	11:30-11:40 10 mins	29
9	Summary and Next Steps	Summarise meeting actions and next steps	Information	Chair & Secretariat	11:40-11:45 5 mins	31

Attachments / Appendices

Appendix 1 – Consequential Change Examples

Appendix 2 – Code Drafting Plan – Including Consequential Code Drafting Change CR12

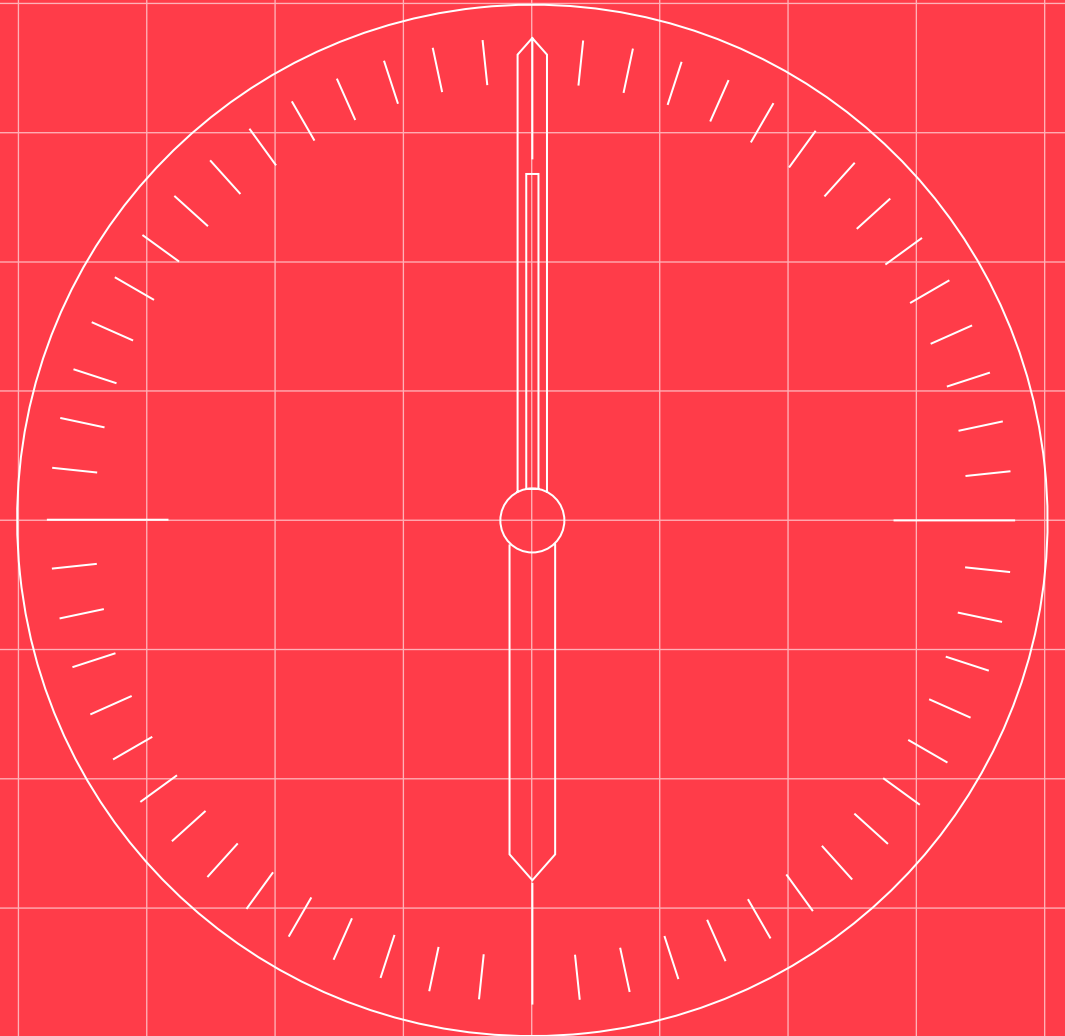
Attachment 1 – CCAG Headline Report 21 December 2022 v1.1 (change marked)

Minutes and Actions

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

Chair & Secretariat

15 mins



Minutes and Actions

- Approval of Minutes from CCAG meeting held 21 December 2022
- Review of change marked Headline Report from CCAG meeting held 21 December 2022
- Review of outstanding actions:

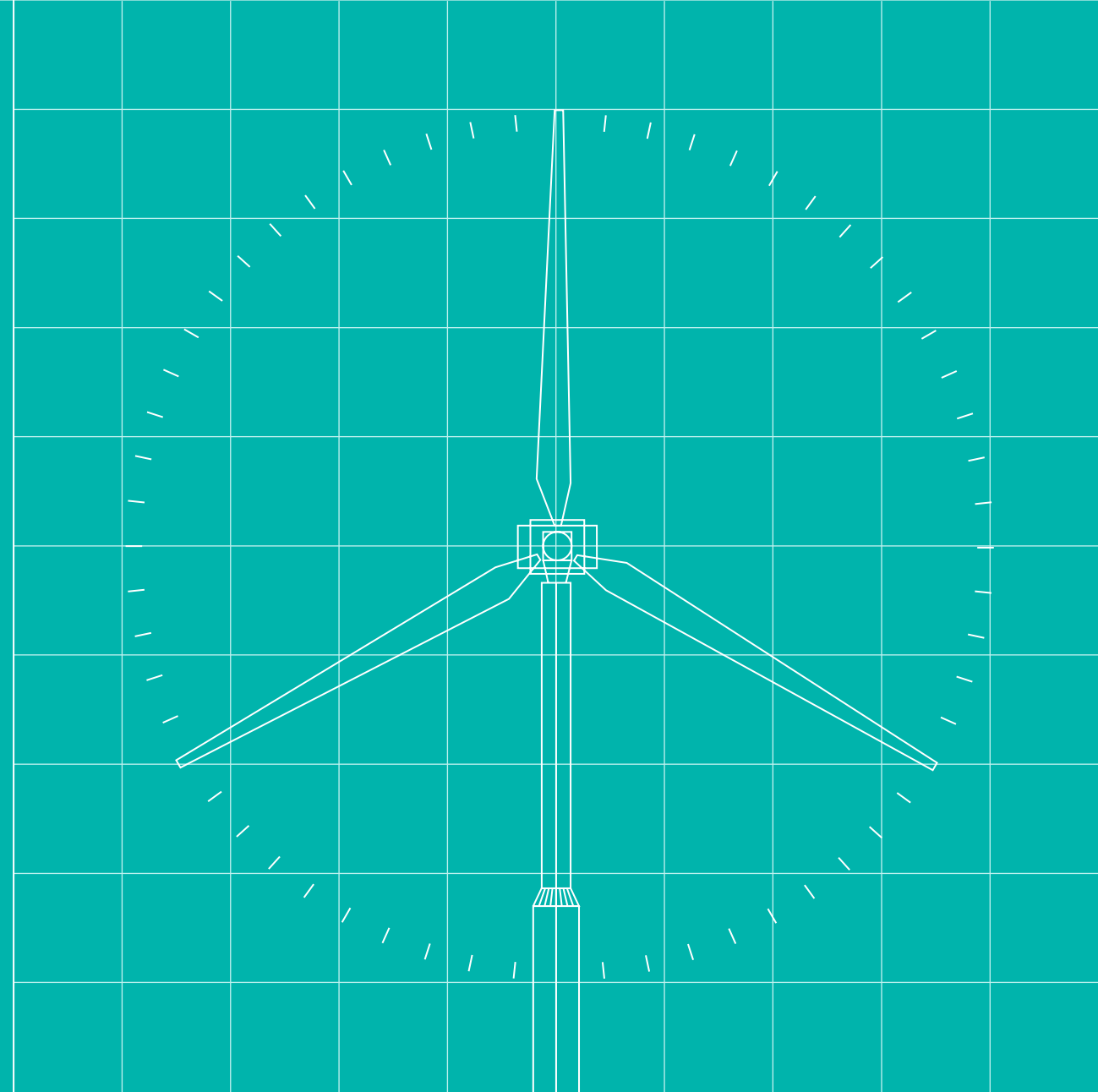
Ref	Date Raised	Action	Owner	Due Date	Update
CCAG13-01		Review the timing of the dependency on qualification and SAD processes to determine if the dependency could be brought forward	Programme (Andrew Margan, Jason Brogden)	25/01/23	RECOMMEND CLOSED: In discussions on M8 timing previously, Code Bodies were happy to move M8 to align with M10 on the basis that Qualification code drafting was approved. This is the dependency reflected in the round 3 replan (Code approval at M6 must be in place prior to commencement of SAD processes).
CCAG13-02		Review the risks IDs for each Horizon Scanning entry to ensure there is a clear link/cross-reference between horizon scanning items and RAID log entries	Programme (Jason Brogden, Matt McKeon)	25/01/23	ONGOING: RAID IDs within Horizon Scanning Log are present and continue to be under review.
CCAG13-03		Present the list of consequential change items to be included in code drafting and the rationale for including them to the January CCAG	Programme, Code Bodies	25/01/23	RECOMMEND CLOSED: Current consequential code drafting areas provided under agenda item 5. Further items due for discussion at CCIAG on 26 January 2023. Any additional consequential change items for consideration of incorporation into CAG-led code drafting must be provided for entry to Consequential Change Log no later than 31 January 2023.
CCAG13-04		Discuss BSC PAF and consequential changes timelines and alignment to the code draft plan	Programme (Andrew Margan, Jason Brogden, Beca Fox), Elexon Representative (Laurence Jones)	25/01/23	RECOMMEND CLOSED: Programme has discussed with Elexon that PAF consequential change must delivered within Programme timeframes.
CCAG13-05	21/12/2022	Share CUSC consequential changes to be included in the consequential change list	NGESO representative (Neil Dewar)	25/01/23	RECOMMEND CLOSED: Discussion held with CUSC and updates to be provided to Consequential Change Log.
CCAG13-06		Present an updated version of the design artefact mapping document at January CCAG (to show how design artefacts map to code drafting topic areas)	Sarah Jones, Matt McKeon	25/01/23	RECOMMEND CLOSED: High level mapping available on Programme Collaboration Base. Lower level mapping to be undertaken at commencement of individual code drafting topic areas. Mapping will also be presented to the CDWG.

Programme Updates

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

Programme – PMO

5 mins



Governance group updates

Programme Steering Group (PSG)

Update from PSG 07 December 2022

- Migration Options Decision** – The PSG decided to progress with Migration Option 3
- M3 Next Steps** – The PSG agreed updated M3 acceptance criteria and reviewed the engagement plan for parties who did not submit evidence in Readiness Assessment 2.
- M9 Update** – The Programme presented an update on the status and timelines for M9 (SIT start).
- Programme Replan** – The PSG approved an updated version of the Interim Plan. The PSG agreed to begin Round 3 of consultation on the programme plan.
- Change Control** – The PSG approved CR012 (increase in programme code draft scope) and agreed to raise CR013 (commercial impacts) to Impact Assessment.
- Control Point 1** – The Programme updated on the outputs of Control Point 1
- DIP Enduring Modification** – Elxon provided an overview of the modification delivery plan
- Design Progress** – The Programme provided an update on progress of the M5 Work-Off Plan and the migration design

PSG meeting content is available [here](#).

Testing and Migration Advisory Group (TMAG)

Update from TMAG 21 December 2022

- Migration update** – The Programme updated on Migration Approach and Migration Design activity following approval of Migration Option 3 by the PSG
- Programme replan** – The Programme provided an overview of relevant Test and Migration content in Round 3 of consultation on the Programme plan
- Qualification/pre-qualification** – the Programme update on activity at the Qualification and E2E Sandbox Working Group (QWG)
- Data Working Group update** – The Programme updated on activity relating to consumption data generator at the DWG
- SITWG update** – The Programme updated on activity at the SITWG. The TMAG approved the SITWG ToR

TMAG meeting content is available [here](#)

Design Advisory Group (DAG)

Updates from DAG 11 January 2023

- Actions Review:** An in depth review of outstanding actions was undertaken, with updates provided on the approach to performance assurance requirements, implementation of the Enduring Design Hub, and classification of the Meter Point Registration Service (MPRS) as a central system.
- M5 Work-Off Plan:** Updates were provided on the M5 Work-Off Plan and the Programme Change Requests needed to facilitate impact assessment of options for work-off items D-012 (E7/E10 settlement differential) and D-013 (registration service operating hours)
- Post M5 Design Change Procedure:** The DAG approved the draft procedure and draft Design Authority (DA) Terms of Reference, subject to amendments. The DA will be responsible for reviewing design issues and agreeing minor changes to design artefacts. The DA is a closed group with industry representation appointed by DAG constituency representatives.

DAG meeting content available [here](#)

Cross Code Advisory Group (CCAG)

Update from CCAG 21 December 2022

- Horizon Scanning** – Code Bodies updated against their relevant code modifications
- CR012 outcomes** – The CCAG discussed next steps for consequential change code drafting following approval of CR012 by the PSG
- Round 3 replan** – The Programme provided an overview of the code draft plan as per Round 3 of consultation on the Programme plan. The Programme highlighted how this had change since Round 2.
- Prototyping update** – RECCo provided an update on Sprint 2 of prototyping activity. A traceability matrix had been created to track design artefacts to the code drafting topic areas
- CCAG reporting** – The Programme gave provided a new monthly status update. Code drafting progress was on track as per the code draft plan
- CDWG update** – The Programme updated on activity at the December CDWG and the agenda items for January

CCAG meeting content is available [here](#)

Wider Programme updates

Round 3 Replan Consultation

Round 3 of **formal consultation on the updated draft of the MHHS Programme plan opened on Wednesday 14 December 2022**. Responses are due by **31 January 2023** with those participants interested in System Integration Testing (SIT) requested to respond by **16 January 2023**.

In this round, it is important that responses include Delivery Plans so the Programme can pass Milestone 3 (M3) unconditionally.

The Programme is **holding Replan Playback sessions during January**. Similar to Round 2, the sessions will be grouped around constituencies and will explain the Artefacts that have been provided, walk you through the plan itself, with time allocated for Q&A.

Design Artefact Assurance Review:

Change marked versions of the updated Design Artefacts on the M5 Design Work-Off Plan have been issued ahead of the Assurance review period starting on Monday 9 January 2023. The purpose of the review is for the Working Group to provide assurance that the changes agreed as part of the Work-Off Plan are accurately reflected in the Design Artefacts.

The deadline for assurance comments is **Friday 13 January 2023** and an Assurance Meeting will be on **Wednesday 25 January 2023** to review any assurance comments and to confirm the recommendation to the Design Advisory Group (DAG) for approval.

Design Change Management update:

The **Design Advisory Group conditionally approved mobilisation activities for the Design Authority**. The full Design Change Management process will look to be approved at the January DAG.

The **Design Authority will be made up of constituency representatives**. A call for representatives was shared at the December DAG

A webinar will be held on Monday 16 January 2023 on the Design Change Management process.

Other updates:

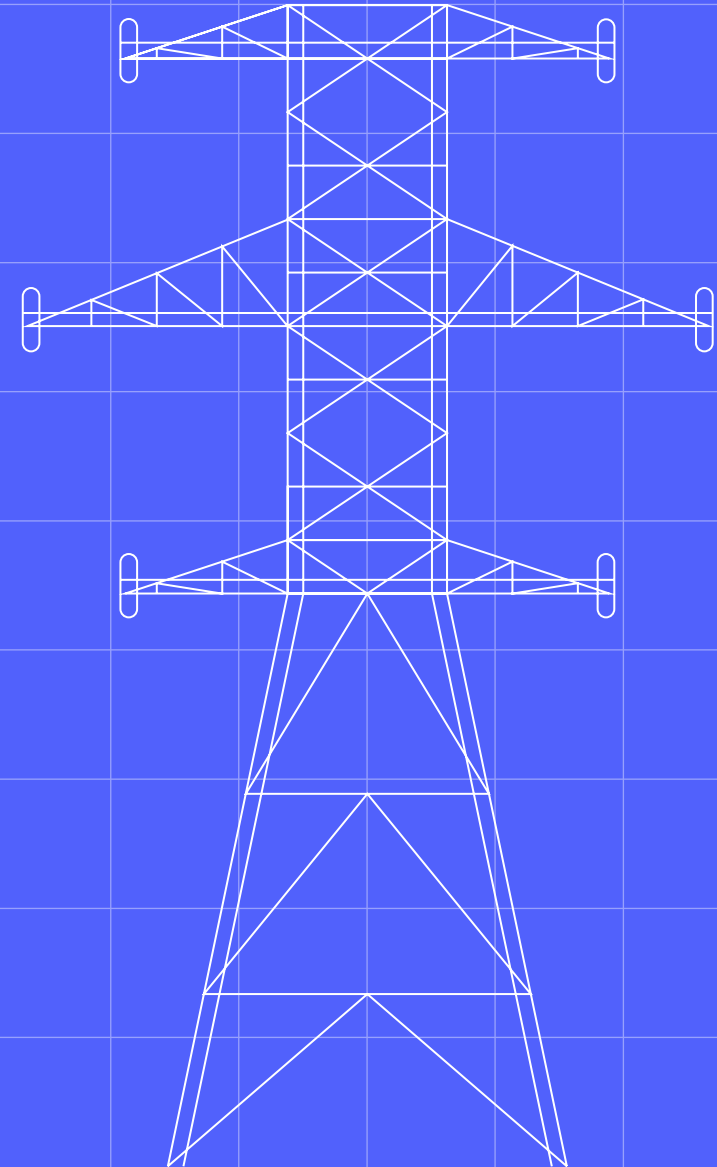
- From **1 December 2022**, **Chris Welby** stepped back from the SRO role. Chris continues to work closely with the Programme, lending his considerable knowledge and expertise. **Helen Tipton**, Elxon's newly appointed Director of Strategic Programmes, has taken on the SRO responsibilities
- Upcoming **webinar on the criteria for the conditionally approved Milestone M3** – participant readiness for Design, Build and Test (DBT)

Horizon Scanning Log

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

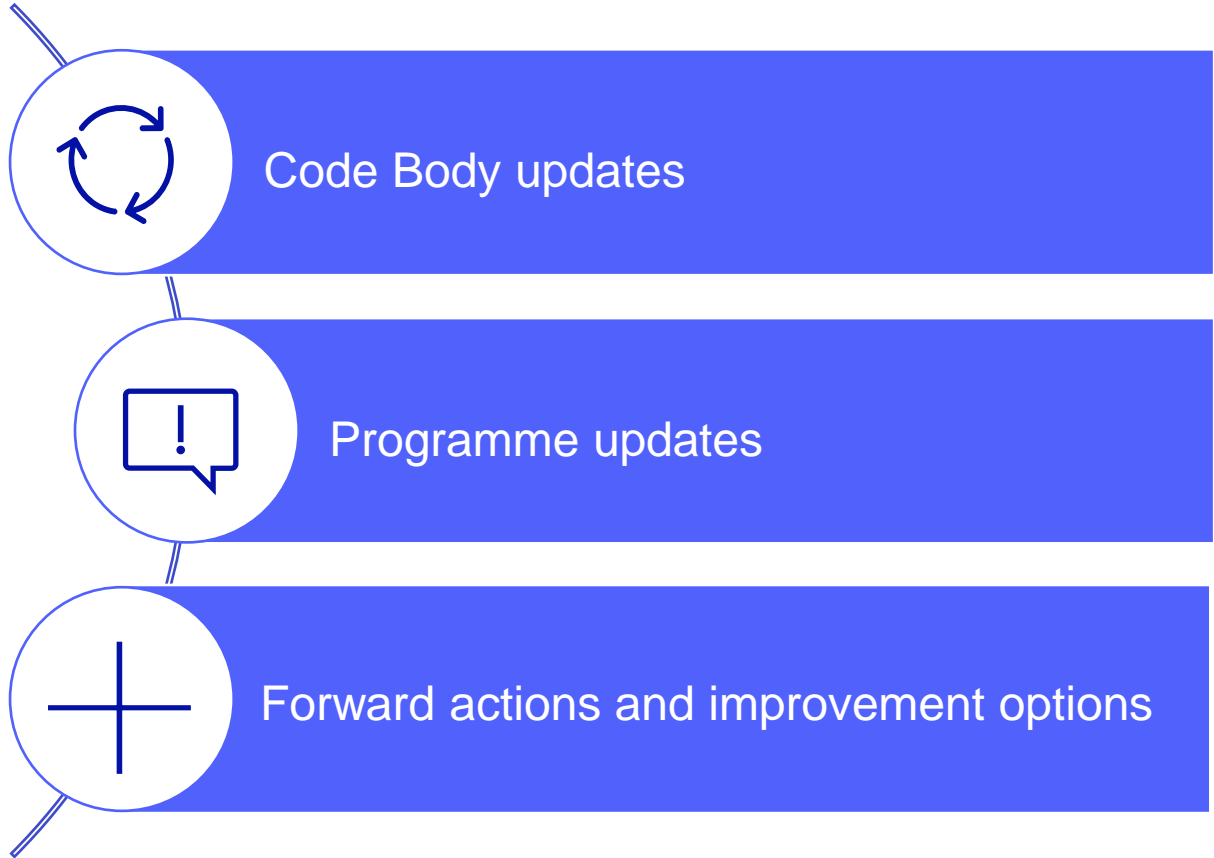
Code Bodies & Programme (PMO & Matt McKeon)

20 mins

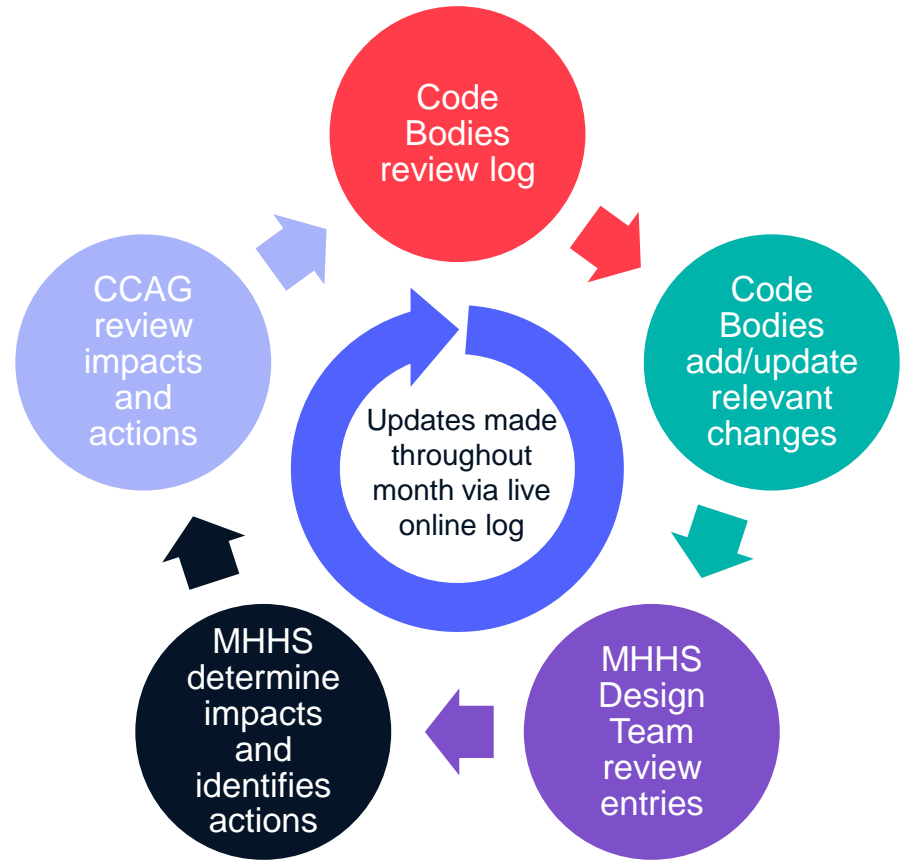


Horizon Scanning Log

CCAG Horizon Scanning Log 25 January 2023



Reminder: Horizon Scanning Log Process



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](#)

Horizon Scanning Code Body Change Update BSC (1 of 4)

Change Title		P432 Half Hourly Settlement for CT Advanced Meters					
Change Summary:		This Modification proposes to align the BSC definition of an Advanced Meter with that in the Standard License Conditions (SLC) and to set explicit Half Hourly (HH) Settlement obligations for Current Transformer (CT) Advanced Meters ahead of the migration to Market-wide Half-Hourly Settlement (MHHS).					
Stakeholder positions:		Suppliers mostly against Supplier Agents mostly support BSC Panel has recommend approval (previously rejection), following Ofgem Send Back to revise implementation approach					
Date raised	2 Dec 21	Status	With Ofgem for decision	Decision date	Earliest 29 Feb 23	MHHS Impact	Direct impact

Change Title		P434 Half Hourly Settlement for UMS Metering Systems					
Change Summary:		This Modification will require a period of mandatory Change of Measurement Class (CoMC) activity for all Non-Half Hourly (NHH) Unmetered Supplies (UMS) Metering Systems running from October 2023 to October 2024. It will also require all new UMS connections to be settled Half Hourly (HH) from October 2023. If the transition for NHH UMS Metering Systems is not brought forward, combined with the workload from other MHHS activities, It will significantly increase the risk that there will be insufficient time for Customers, Suppliers and UMISOs to address any issues that may arise with the transition to the MHHS Target Operating Model.					
Stakeholder positions:		Split BSC Panel recommended approval					
Date raised	3 Feb 22	Status	Implemented	Implementation date	14 Dec 22	MHHS Impact	Direct impact

Horizon Scanning Code Body Change Update BSC (2 of 4)

Change Title		CP1558 New Registration data items and processes to support the MHHS transition					
Change Summary:		Will introduce new Registration Service data items and supporting BSC processes into existing Supplier Meter Registration Service (SMRS) systems					
Stakeholder positions:		Broad support, except[t Suppliers					
Date raised	16 Feb 22	Status	Awaiting implementation	Implementation date	29 Jun 23	MHHS Impact	Direct impact

Change Title		CP1568 Inclusion of new LDSO-mastered SMRS data items in the SVA Data Catalogue, the REC EMAR Data Specification and BSCP604					
Change Summary:		Will include new LDSO-mastered SMRS data items in the SVA Data Catalogue, the REC EMAR Data Specification and BSCP604.					
Stakeholder positions:		Supportive (LDSOs, Supplier Agents, Suppliers)					
Date raised	6 Sep 22	Status	Awaiting implementation	Implementation date	29 Jun 23	MHHS Impact	Direct impact

Horizon Scanning Code Body Change Update BSC (3 of 4)

Change Title		Issue 101 Ongoing Governance, Funding and Operation of the Market-wide Half Hourly Settlement (MHHS) Data Integration Platform (DIP) by BSCCo					
Change Summary:		Issue 101 intends to define the requirements and principles for the on-going DIP arrangements that can be included in the subsequent BSC SCR Modification, including the ongoing governance, funding and operation of the DIP.					
Stakeholder positions:		Supportive so far					
Date raised	16 Feb 22	Status	Development	Decision date	n/a for Issue, SCR Mod expected summer 2023	MHHS Impact	No direct impact

Change Title		P441 Creation of Complex Site Classes					
Change Summary:		Progresses a recommendation of the Issue 88 Workgroup to introduce Complex Site classes. These classes would categorise the types of Complex Site, each having clearly defined criteria within the BSC. A new “type” of Complex Site (referred to as a Class 6 Complex Site) to allow approval of “non-standard” complex sites would also be introduced.					
Stakeholder positions:		TBC					
Date raised	7 Jul 22	Status	Workgroup assessment	Decision date	Sep 23 earliest	MHHS Impact	Potential impact on ADS/MDS

Horizon Scanning Code Body Change Update BSC (4 of 4)

Change Title		P442 Reporting to EMRS of chargeable volumes for SVA Metering Systems that record both exempt and licensed supply					
Change Summary:		This Modification seeks to allow correct reporting of chargeable volumes to the EMRS company for SVA Metering Systems that record both exempt supply and licensed supply through the addition of a new third party role, the “Exempt Supply Calculation Agent”. It will impact the reporting of data into EMRS which has currently been defined as a MDS responsibility.					
Stakeholder positions:		Supportive so far					
Date raised	7 Jul 22	Status	Workgroup assessment	Decision date	Sep 23 earliest	MHHS Impact	MDS impact

Horizon Scanning Code Body Change Update REC (1 of 3)

Change Title		R0015 Remote communication obligations for electricity Advanced Meters					
Change Summary:		<p>This CP seeks to introduce an explicit obligation under the REC to require all CT Metering Systems to have remote communications fitted and working by March 2023 and for all Advanced Meters to have them by October 2024.</p> <p>Update 13/01 – Following the send back from Ofgem, the CP is being reviewed and developed to consider the appropriate timescales for implementation. Due to go back to the Change Panel on 20 February 2023.</p>					
Stakeholder positions:		MEMs – obligations to be placed on MEMs Change was rejected by the REC Metering Expert Panel, the Code Manager appealed this to Ofgem					
Date raised:	17/11/21	Status:	Sent back by Ofgem for further development	Decision date:	Panel decision 20/2/23	MHHS Impact	Supporting an effective transition

Horizon Scanning Code Body Change Update REC (2 of 3)

Change Title		R0044 - MHHS Programme Changes required to Central Switching Service					
Change Summary:		<p>The MHHS Target Operating Model requires that the registration data of the Meter Data Retrieval (MDR) parties is available to the SMDP, so that the SMDP can provide MDR parties with access to the Smart Meters at Metering Points they are registered to. Currently the new MDR role and Registration Data does not exist in, nor can it be made available from, CSS as this is a new industry operating model.</p> <p>This CP will progress the CSS requirements, enabling internal testing of these ahead of programme testing of the E2E MDR process (as part of the programme testing). The ERDS and EES changes will be implemented and tested as part of their overall MHHS delivery.</p> <p>Targeting M8 'Code changes delivered' for implementation. SEC teams require the design documents in January, activity will progress to enable this. Delays to the Ofgem decision will not affect the design document production as funding for this will be covered under the SEC budget.</p> <p>Update 13/01 – Ofgem decision is expected imminently, development is progressing at risk in lieu of the decision.</p>					
Stakeholder positions:		DCC as CSS Provider - supported					
Date raised:	29/4/22	Status:	Change Panel vote to recommend approval – to be sent for Ofgem determination	Decision date:	Ofgem – TBC (expected by 18 January)	MHHS Impact	Direct impact

Horizon Scanning Code Body Change Update REC (3 of 3)

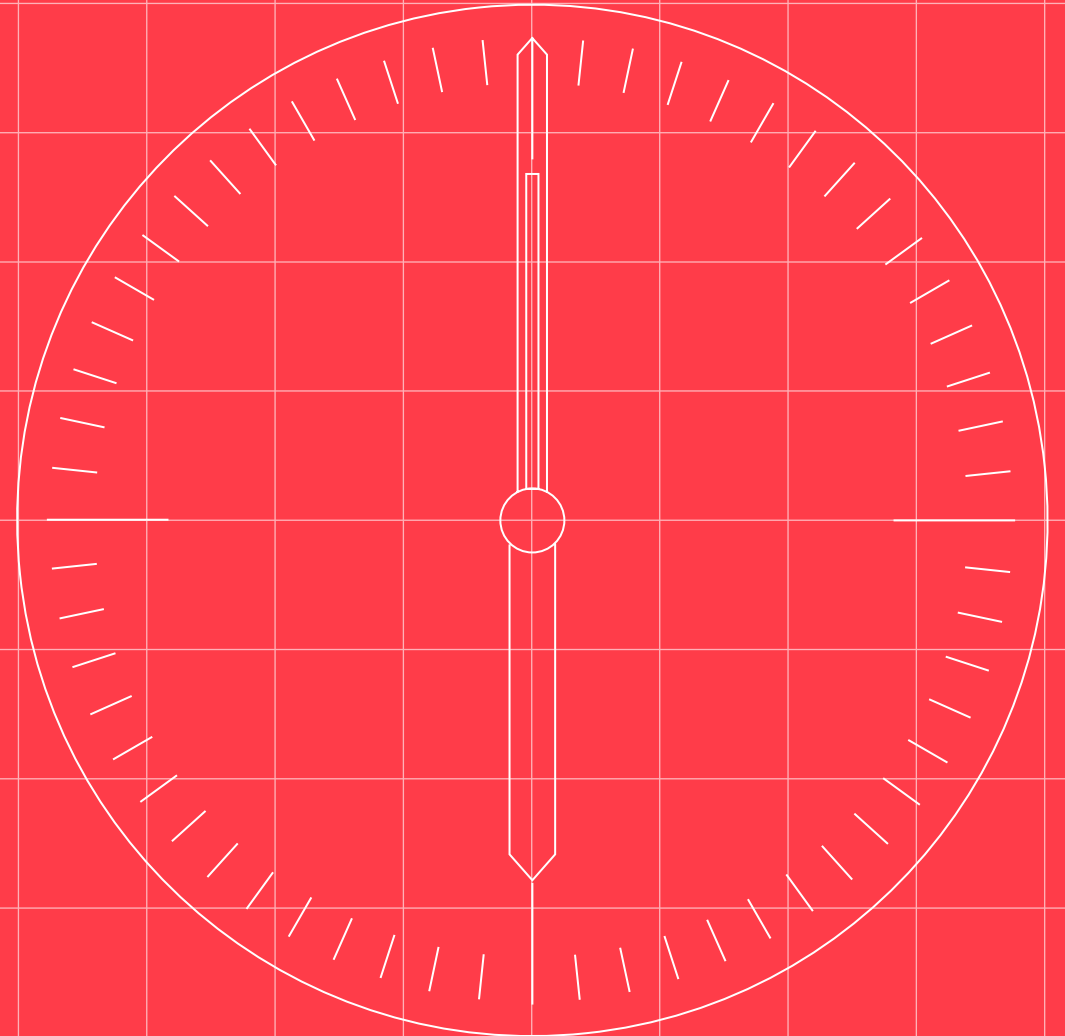
Change Title		R0066 - Inclusion of new DNO mastered SMRS Data Items in the EES (extension of R0032)					
Change Summary:		<p>This Change Proposal seeks to display new BSC owned data items in EES. These data items support the introduction of registration service data items that will be needed before Market-wide Half Hourly Settlement (MHHS) migration commences in October 2024.</p> <p>This Change Proposal is an extension of requirements set out in R0032 and takes forward the data items defined in BSC CP 1568</p> <p>Update 13/01 - The CP was approved on 20 December for implementation on 30/06/23</p>					
Stakeholder positions:		ERDS Providers, EES					
Date raised	26/8/220	Status	Awaiting Implementation on 30 June 2023	Decision date	20/12/22	MHHS Impact	Supporting data population ahead of transition completion

Consequential Change Code Drafting

INFORMATION: Provide update on arrangements for bringing consequential change into Programme scope

Programme – Becca Fox

15 mins



Following the approval of CR0012, the CCAG Terms of Reference have been amended to bring consequential code changes into the Programme and M6 delivery scope.

To manage the M6 scope, the Programme recommends the CCIAG Consequential Change process is followed, and the Consequential Change Log is used to capture Code Body consequential code change. To qualify as a consequential code change it must be agreed by a Code Body for inclusion in CCAG-led code drafting and it must be required to deliver MHHS. This warranty by the Code Body will be recorded in the CC Log.

Proposed updated definition of consequential change:

Any change required to deliver MHHS that is not defined in the Design Baseline, the design work off plans or any MHHS Programme migration design artefacts

Process:

The technical solution must be developed under individual Code Body governance.

On behalf of the Code Bodies the Programme will ensure these items are brought into Programme scope and baselined via the R3 Replan Consultation and captured in the Round 3 replan CR.

For the above process to be effective, the Programme requires all consequential code drafting subjects are to be captured by the 31 January 2023, the deadline for the Round 3 Replan consultation. Any major consequential code change subjects which need to be brought into the Programme scope post the round 3 consultation (31 January 2023), will need to follow the MHHS standard change control process.

The MHHS change control process provides clear decision points that may allow a change to be expedited, escalated or passed through as a “house keeping” change (no impact).

Consequential Change Process

The proposed process below sets out how the consequential code change process could work:

Step number	Step Description	Due Date (if applicable)*
1	Email PMO to request the consequential change log is updated with the proposed change, ensuring the code change column is populated	
2	Attend CCIAG to present the new consequential change items	
3	The programme takes consequential change items from the consequential change log and build the scope of changes into the code drafting plan	31 January 2023
4	Code Bodies develop and approve their consequential change items under their individual governance arrangements	
5	Code Bodies develop their code drafting for submission into consequential change industry consultation, managed by the Programme	24 August 2023 (final date TBC)
6	The Programme triage consultation comments and send out to Code Bodies to action	07 September
7	Code Bodies provide responses back to the Programme 5 working days before CDWG	03 October 2023
8	CDWG review any optionality or workshop questions from Code Bodies	10 October 2023
9	CDWG make a recommendation that CCAG approve the drafting based on the drafting reflecting the design solution	10 or 17 October 2023
10	CCAG recommend the code drafting to the SRO	25 October 2023

*all dates subject to approval of Programme Replan

Consequential Change Log – Topics for Inclusion

Below is an excerpt from the Consequential Change Log (CC Log), which identifies the consequential change topics currently believed to require inclusion in CCAG-led code drafting.

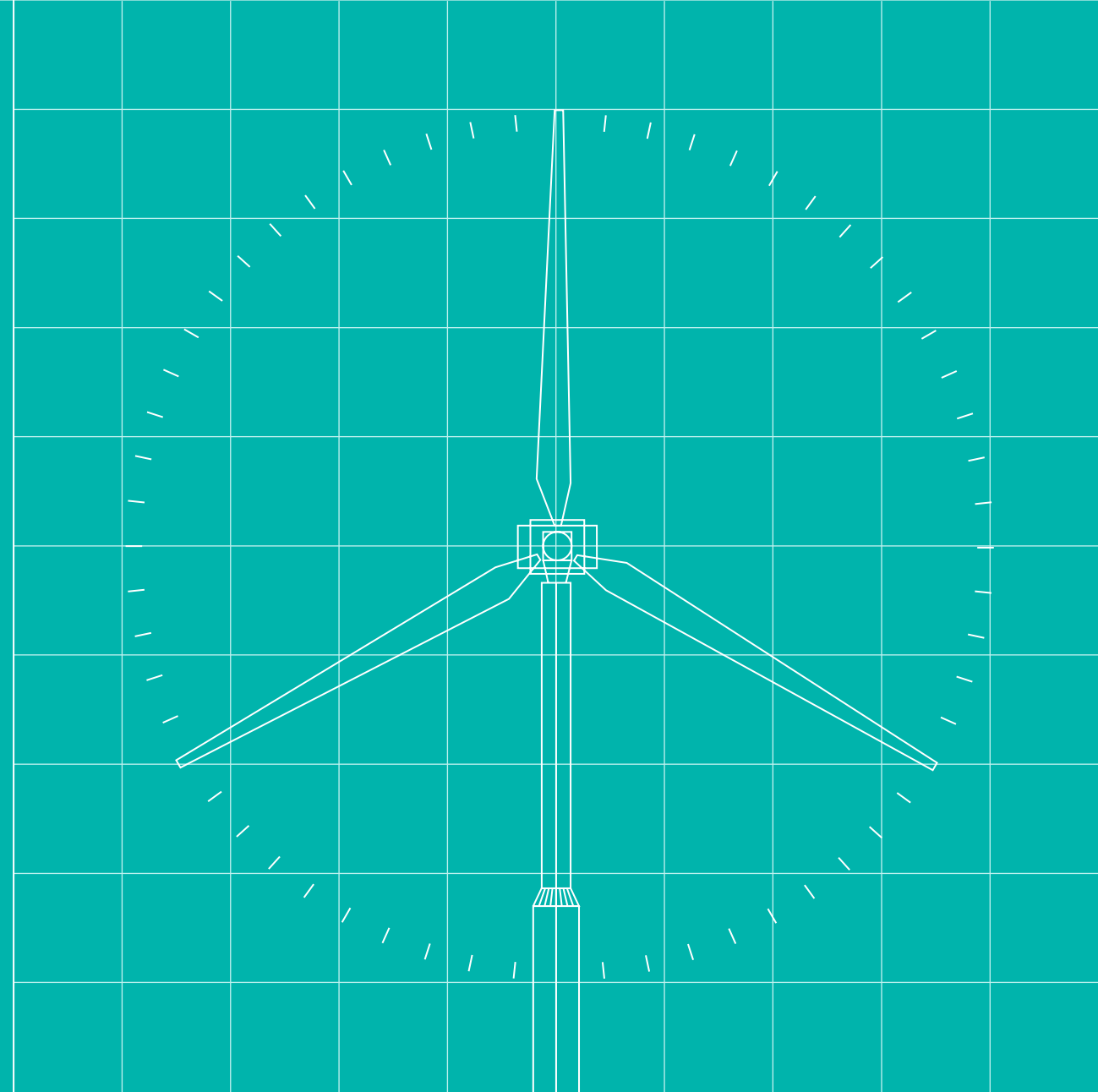
ID	Date tabled at CCIAG	Item title	Raiser name	Raiser organisation	Raiser constituency	Item Status	Consequential change to be included in CCAG-led/managed code drafting (Y/N/Not Applicable)?	Relevant Code Body agreeing inclusion of consequential change item in CCAG-led/managed code drafting
CCIAG-CCT-07	25/08/2022	Removal of MTCs - related MPANs	Jon Hawkins	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-09	25/08/2022	New/Additional MPAN Process	Jon Hawkins	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-11	09/09/2022	EES User Roles and Data Access	Jon Hawkins	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-12	09/09/2022	SDEP Message / Reporting	Jon Hawkins	RECCo	Central Parties	Item to be discussed by CCIAG or reviewed/assessed by MHHS Design Team	Y	TBC
CCIAG-CCT-14	09/09/2022	Change to settlement timetable	Andrew Dudkowsky	NGESO	Central Parties	Item to be further defined by raiser	Y	TBC
CCIAG-CCT-17	22/09/2022	Performance Assurance Framework (BSC & REC)	Chris Butterfield	OVO	Large Suppliers	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	TBC
CCIAG-CCT-19	22/09/2022	SSC Valid Set	Jon Hawkins	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-22	10/11/2022	Customer own agents	David Morley	OVO	Large suppliers	Item tabled at other MHHS working group (e.g. customer own agents under discussion at Migration Working Group)	Y	TBC
CCIAG-CCT-23	10/11/2022	Erroneous Switches	Jon Hawkins	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-25	22/12/2022	EES Data Access Matrix	Sarah Jones	RECCo	Central Parties	Item to be discussed by CCIAG or reviewed/assessed by MHHS Design Team	Y	REC

Round 3 Replan Consultation

INFORMATION: Updates on the Round 3 Replan
consultation following approval of CR12

Programme – Becca Fox

10 mins



MHHS Replan Round 3

Round 3 of formal consultation for the MHHS Programme plan opened on **Wednesday 14 December 2022**.

The objectives of the Round 3 consultation process are:

- To consult on a detailed, draft Programme plan including all activities, activity durations, milestones and illustrative dates, sequencing and dependencies, and a developed RAID summary.
- To gauge the overall feasibility and alignment of participants' Delivery Plans to the revised MHHS Plan under consultation and to secure Programme Steering Group (PSG) unconditional Milestone 3 (M3) achievement in terms of participants' readiness.
- To assess the interest in System Integration Testing (SIT) participation from participants to form a Minimum Viable Cohort for progressing SIT.

The ask of participants in Round 3

Your input is critical for us to ensure that we have a realistic and viable Programme plan. **Round 3 is the last round of consultation to meaningfully engage with the content of the plan** before a formal Change Request is issued to rebaseline the Programme Plan in line with the interim plan agreed at PSG on **7 December 2022**. The plan provided in Round 3 reflects industry feedback to date. Therefore, we request the following:

1. Please read the documents that we have made available to you
2. Please respond to the consultation questions that we have posed. In your response you can also ask us questions, and seek any necessary clarifications
3. Send your response into the Programme via the Microsoft form
4. The deadline for responses is **17:00 on 31 January 2023** with those participants interested in SIT requested to respond by **17:00 on 16 January 2023** in line with the agreement at PSG on **7 December 2022**.

Round 3 consultation on the MHHS Programme Replan

This plan

- This draft is a working plan based on information available to MHHSP at the time of drafting. It has not been approved by Ofgem. It is an imperative to challenge and validate all assumptions in the draft with the aim of securing the earliest possible robust implementation date
- The plan review process is designed to arrive at a credible, robust, and achievable plan that sees MHHS implemented as early as possible and preferably no later than the date set out in the existing Transition Timetable, which all programme parties are currently required to operate in accordance with
- The current Round 3 plan as set out in this document follows considerable industry engagement since the Round 2 plan was issued in September. This includes taking into account Round 2 responses, insights from RA2 readiness assessment, account management meetings with core participants, bilateral engagement through the PPC and more recently the outcome of the Migration Options PPIR resulting in the PSG decision to progress with the reverse migration option.
- The approach and associated planning artefacts are significantly more advanced and detailed than those shared previously. The dates set in the plan have been set as realistic but challenging on the basis of the evidence received to date.
- The programme looks forward to working with parties to challenge and identify opportunities to shorten the overall timelines in this plan in order to secure a swift introduction of MHHS and to allow the generation of the benefits that MHHS will bring, in particular for customers and in supporting broader activity to drive towards net zero.

Context for the plan

- MHHS implementation is an essential enabler for realisation of much of the benefits from smart metering, as well as most of the planned benefits attributable to time of use pricing and demand-side flexibility.
- These benefits are much more significant than the £1.5bn - £4.5bn that were directly attributed to MHHS in its business case, which is important to remember
- This means that any delay carries a very heavy cost in delayed benefits
- There must be a continuous focus on realising benefits from the earliest practicable date
- BEIS is also taking a close interest given the importance of MHHS for net zero.

How participants are expected to respond to this consultation

- Further to the letter from Neil Lawrence, participants are expected to provide detailed, granular evidence to the Programme in response to this consultation - the Programme and Ofgem will need this information to take a robust decision
- In the meantime, participants need to be continuing, or commencing if they have not already started, their Design, Build and Test (DBT) activities and following the current Interim Plan that was approved by the Programme Steering Group (PSG) on 7 December 22
- In line with their obligations, we expect all participants to respond to this consultation. At the end of the Round 3 process, the Programme Steering Group (PSG) will be made explicitly aware of those participants who have not provided a genuine response.

Replan Round 3 Artefacts and supporting information

[Replan Consultation Round 3 Questions \[for reference\]](#) →

[Milestone Register](#) →

Milestone Tier	Milestone ID	Milestone Title	Milestone Description	Plan Section	Milestone Date
T3	T3-TE-0043	SIT Migration Testing End (Minimum Viable Cohort) (incl. confirmation that Programme participant have submitted their Test Completion Reports to Programme for assurance)	The end of SIT Migration test execution (Minimum Viable Cohort) is approved by TMAG	TE	07 October 2024
T3	T3-TE-0044	Central Parties' UIT environments ready to start connectivity testing (incl certificates and security compliance)	The final date by which Central Parties are expected to declare that their UIT environments have been stood up, security certificates applied and security compliance achieved, and they are ready to commence connectivity testing.	TE	11 October 2024

[Outline MHHS Plan \(Projects format\)](#) →

[Outline MHHS Plan \(Excel format\)](#) →

[MHHS Summary RAID](#) →

[MHHS Implementation Approach](#) →

[Round 3 Replan Consultation submission form](#) →

ID	Task	Start	End	Duration	Dependencies	Category	Sub-category	Completion
48	DESIGN, BUILD & TEST (P1)							No
49	Design Baseline & Enduring PP Support	Mon 31/10/22	Thu 31/12/23	1009 days		SI Design	SRO Design	No
68	PP Mobilisation	Mon 31/10/22	Tue 31/01/23	67 days		PP		No
74	PIT Stub Specification and Delivery	Mon 31/10/22	Wed 31/05/23	153 days		SI DevOps	SI Test	No
87	PP Design, Build & Test (DBT)	Mon 31/10/22	Mon 16/02/24	861 days		PP	SI Test	No
355	Pre-qualification Guidance (PIT Guidance)	Mon 31/10/22	Wed 14/12/22	33 days		SI Test	Code Bodies	No
358	External Programme Dependency Management	Thu 03/11/22	Thu 03/11/22	0 days		CPT	PP	No
361	System Design & Build - Tier 1 Milestones							No
363	SYSTEMS INTEGRATION TESTING (SIT)							No
364	SIT Preparation	Mon 31/10/22	Mon 30/09/24	501 days?		SI Test	PP, Code Doc	No
702	SIT Execution	Mon 30/10/23	Mon 21/04/25	306 days		PP	SI Test, LIPA	No
818	MHHS Testing for Non-SIT L0SDs (Functional, Migration, NFT, Operat.	Tue 02/07/24	Fri 24/01/25	149 days		PP	SI Test	No
820	EZE Sandbox Testing Preparation	Thu 17/11/22	Tue 15/10/24	499 days		SI Test	PP	No
882	SIT PPs EZE Sandbox Testing Execution	Tue 22/10/24	Thu 31/12/24	572 days		PP	SI Test	No
885	External Programme Dependency Management	Mon 31/10/22	Fri 30/06/23	174 days		CPT	Code Bodies	No
895	Systems Integration Testing - Tier 1 Milestones							No
898	REGULATORY							No
899	Baseline MHHS Code Changes	Mon 31/10/22	Thu 04/04/24	374 days		Code Bodies, SI	PP, OIgen	No
986	OIgen preparation and enactment of SCR powers	Thu 12/09/24	Fri 06/12/24	62 days		OIgen		No
991	Deliver MHHS Code Changes	Mon 09/12/24	Fri 07/03/25	65 days		Code Bodies		No
999	External Programme Dependency Management	Thu 12/10/23	Wed 24/01/24	74 days		CPT	Code Bodies	No
1003	Regulatory - Tier 1 Milestones							No

[Replan Round 3 Playbacks Schedule](#) →

We have compiled a list of questions raised in Rounds 1 and 2 of the Programme Replan consultation which you can view below:

[Replan Consultation Round 1 & 2 Q&A](#) →

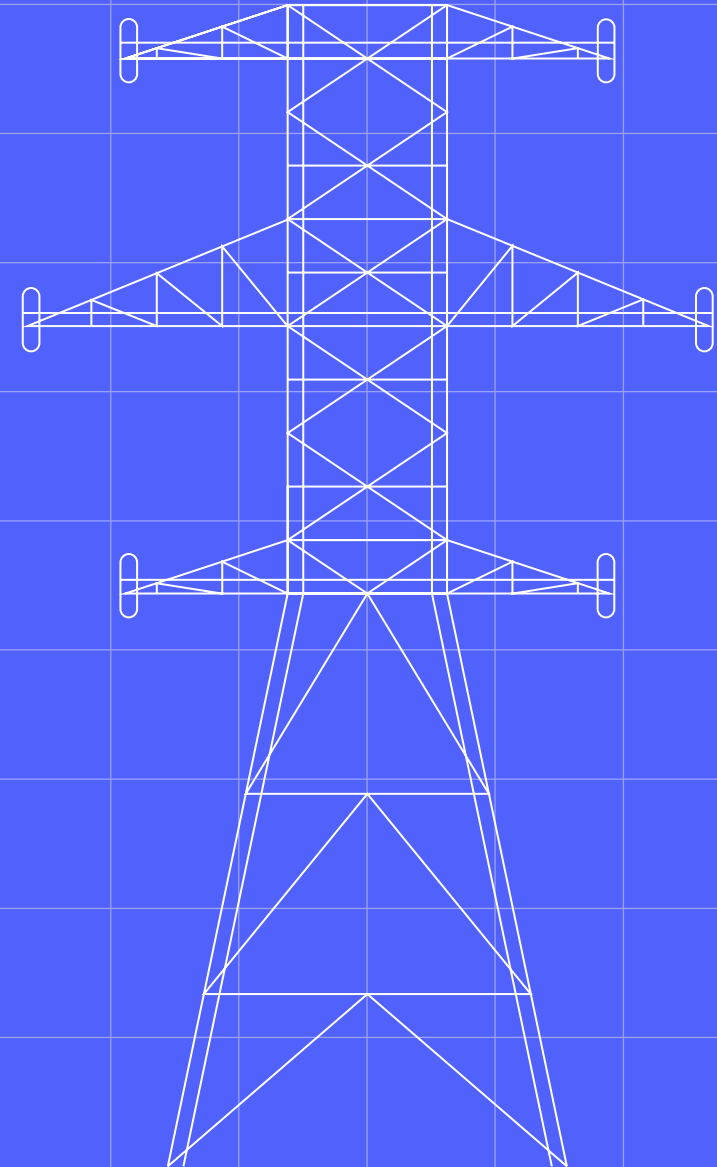
[Replan Consultation Round 2 Walkthroughs Q&A](#) →

CCAG Reporting

INFORMATION: Updates on code drafting activities against approved code drafting plan

Programme (Becca Fox)

10 mins



MHHS Programme – Code drafting progress update



Status Summary

Code drafting started as planned on 3rd January for Data Services and Metering Services.

RECCo have shared their initial Metering Services drafting with Code Bodies for review (BSC & DCUSA).

MHHSP plan to share their Data Services drafting on 27th January for internal review.



February Deliverables

- Questions and optionality will be taken to CDWG on 7th February
- Data Services and Metering drafting to be completed
- Consultation on Data Services and Metering on 14th February
- Begin drafting Registrations and Interfaces topic area



Risks

#	Risk or Issue	Mitigation Plan	RAG
R356	There is a risk associated if the Qualification Testing Approach & Plan document has not been approved, in time for the Qualification code drafting which could cause delays to the programme in drafting Qualification code	Update: BSC Section C obligations force participants to execute qualification in accordance with the Qualification Plan. This is currently in development and doesn't require BSC MHHS Programme drafting	Medium Risk
R357	There is a risk that if M6 is delayed, Qualification SAD process will be delayed / length of time shortened for procedural elements of Qualification before Migration start.	Monitor M6 and impact on the overall plan	Medium Risk
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	If consequential code changes are not submitted within the code drafting plan timescales (August 2023) Code bodies will miss the consequential code change consultation and can raise a change request to bring the items back into programme scope	Medium Risk
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	The CCAG has/will consider their approach to reviewing and updating code, should the design change e.g., maintaining working groups on stand-by A change request will be needed to update the baseline code	Medium Risk

Drafting Milestones	Target date*	Forecast date	Status
Data Services approved at CCAG	26/4/23	26/4/23	Green
Metering Services approved at CCAG	26/4/23	26/4/23	REC
			BSC
Interfaces/Data Specification approved at CCAG	28/6/23	28/6/23	Green
Registration approved at CCAG	28/6/23	28/6/23	Green
Governance and Qualification approved at CCAG	23/8/23	23/8/23	Green
BSC Central Services approved at CCAG	23/8/23	23/8/23	Green
Consequential Change approved at CCAG	25/10/23	25/10/23	Green
Transition Text approved at CCAG	25/10/23	25/10/23	Green
Topic Area Mop Up approved at CCAG	24/1/24	24/1/24	Green
Finalise and consistency check approved at CCAG	27/3/24	27/3/24	Green
Code changes baselined (M6)	4/4/24	4/4/24	Green
Smart Meters Act powers enabled (M7)	6/12/24	6/12/24	Green
Code changes delivered (M8)	7/3/25	7/3/25	Green

*dates subject to Programme Replan

BSC Code drafting progress update

Data Services drafting status:

- On track
- 40% complete

Metering Services drafting status:

- Risk to delivery
- 0% complete

Topic Area	BSC Document/Section	Status	BRAG	Current status and issues
Data Services	Section J	Drafting in progress		Planned for internal review 27/1
	Section L	Drafting in progress		Planned for internal review 27/1
	BSCP700	Drafting in progress		
	BSCP701	Internal Review		
	BSCP702	Drafting in progress		
Metering	Section K	Not started		Programme drafting resource assigned. To start 23/1
	BSCP601	Not started		Programme drafting resource assigned. To start 23/1
	COP_4	Not started		Programme drafting resource assigned
	COP_5	Not started		Programme drafting resource assigned
	COP_6	Not started		Programme drafting resource assigned
	COP_7	Not started		Programme drafting resource assigned
	COP_8	Not started		Programme drafting resource assigned
	COP_9	Not started		Programme drafting resource assigned
	COP_10	Not started		Programme drafting resource assigned

REC Code drafting progress update

Metering Services drafting status:

- On track
- 72% complete

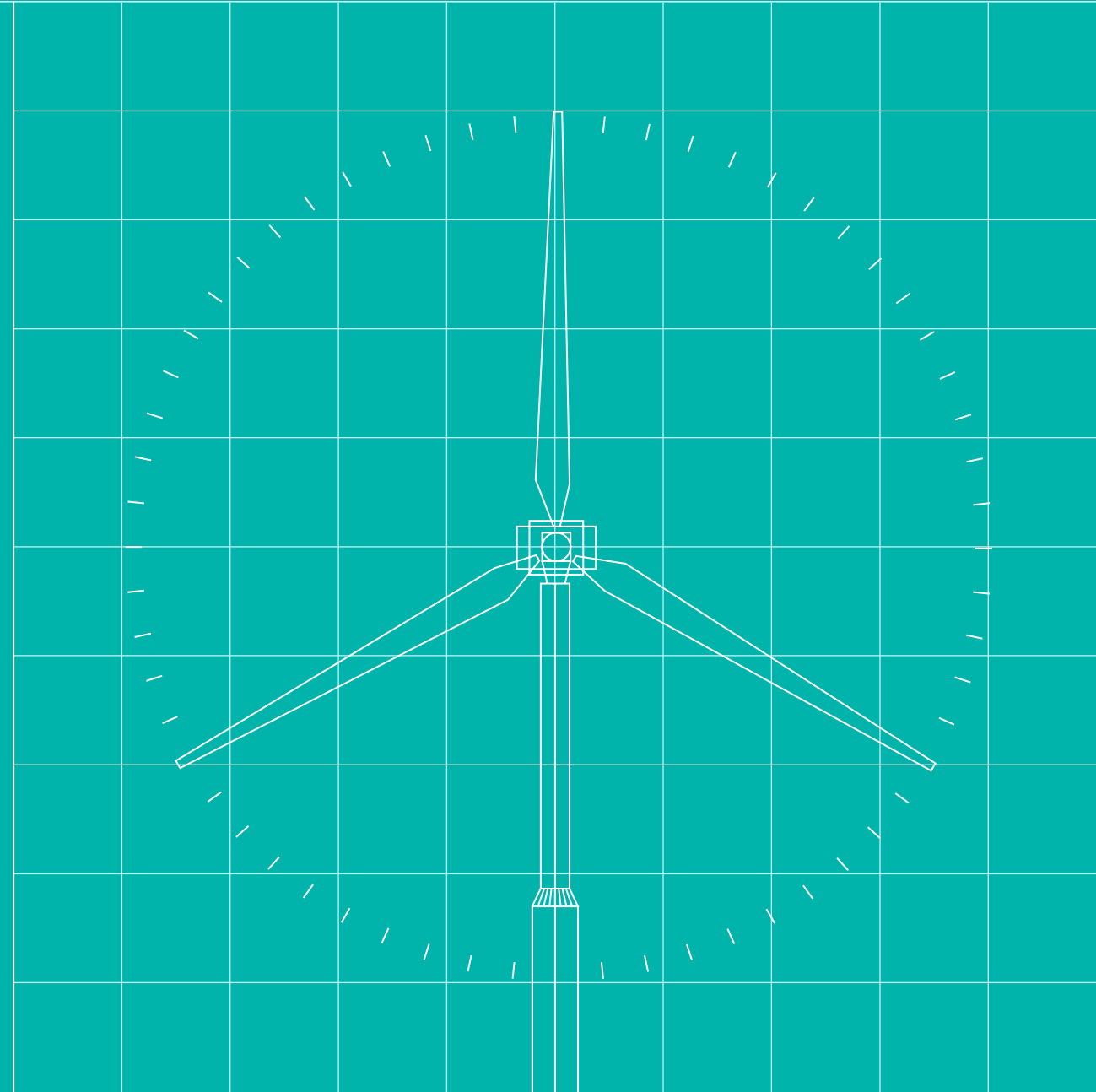
Topic Area	BSC Document/Section	Status	BRAG	Current status and issues
Metering	Transfer of Consumer Data	No change expected		Confirming approach with CDWG
	Metering Operations	Internal Review		Shared with the Programme, DCUSA, BSC and REC Code Manager for review
	Metering Accreditation	No change expected		No change expected in this phase, drafting will take place during the Qualification topic area
	Electricity MOCOP	Internal Review		Key drafting proposals also highlighted to CDWG

CDWG Update

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

Programme – Becca Fox

10 mins

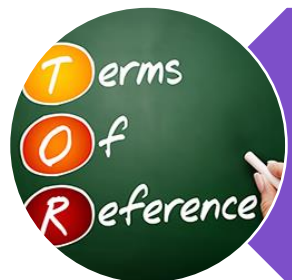




January CDWG update



February 2023 CDWG



Upcoming agenda items

December CDWG Discussion Topics

- Code drafting plan timelines
- Update on sprint 2 prototyping exercise
- Programme Change Request 12
- Code drafting collaboration base
- CDWG standing agenda items



Actions from December CDWG

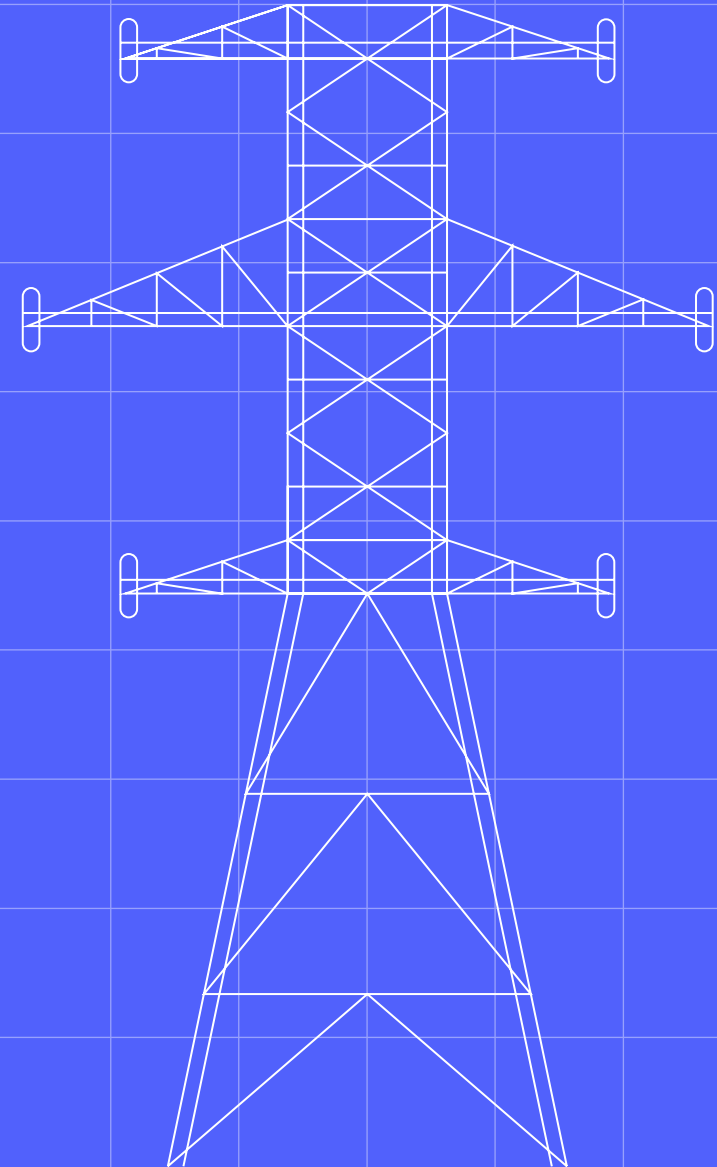
- The Programme and RECCo will review proposals for defined terms relating to data and agent services, and consider whether existing terms to continue
- The Programme will create a process document detailing how consequential change (CC) items will be brought into CAG-led code drafting following approval of CR12. This will include cut off dates for CC items and info on how items will be approved for inclusion

Summary and Next Steps

INFORMATION: Summarise meeting actions and next steps

Chair & Secretariat

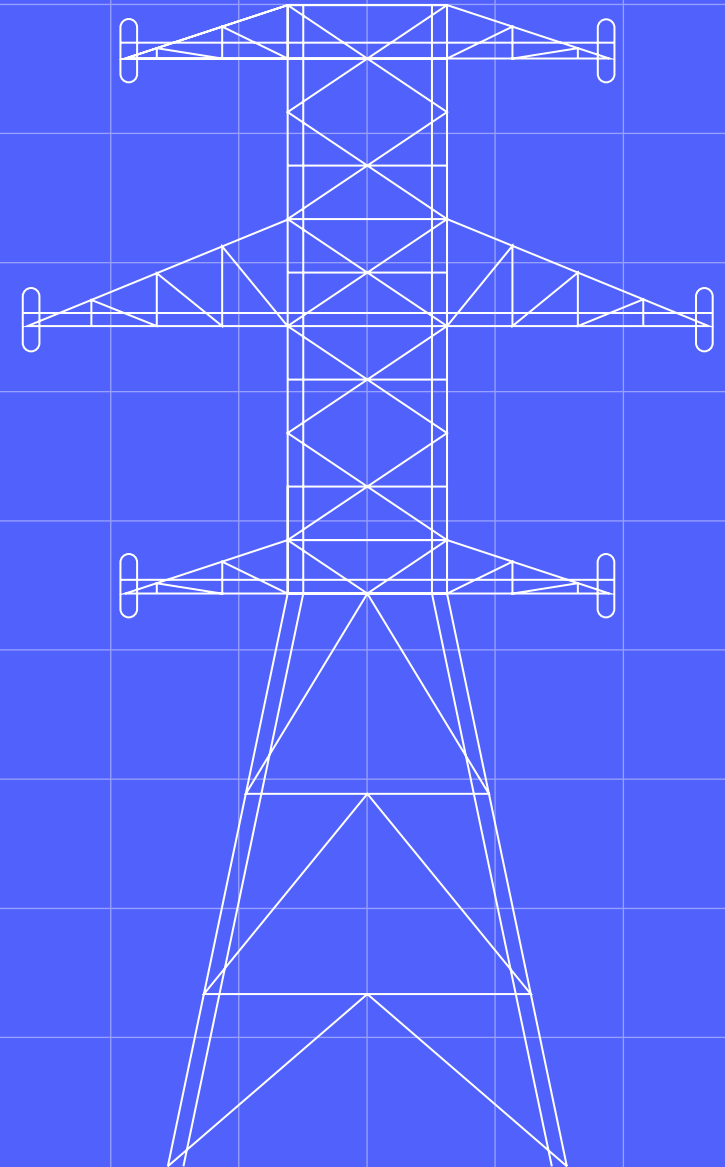
5 mins



Next steps

- Secretariat to confirm actions and decisions from meeting
- Next CCAG meeting **22 February 2023 at 10:00am**
- Next CDWG meeting **07 February 2023 at 14:00pm**

Appendix



1. Whilst drafting Metering, we uncover that text is required to be drafted for Registrations (a later topic area) before we can complete the drafting for Metering.

No change request would be required in this scenario as the finalising of the Metering topic area can be carried out under the Mop-Up.

Depending on the impact of the Metering drafting, drafting may still be sent out for industry consultation without it being a finalised topic area. This decision would be down to the Code owner.

2. Whilst drafting transition text, we uncover that changes need to be made to the Data Services drafting.

No change request would be required in this scenario as the additional drafting for Data Services can be completed during the Mop-Up.

3. Whilst drafting BSC Central Services, we uncover an M5 Design Artefact that needs amending.

In this scenario it would depend on the scale of the change that is required.

A “Housekeeping” change (no impact) covers administrative changes that have no impact on the programme, such as minor updates to baselined artefacts that have no wider impact on programme outcomes or its deliverables. These changes will be logged with the MHHS PMO and noted at the Change Board for information rather than for decision.

If the change is material e.g. it impacts the programme success factors or is a change to a baselined artefact, it would need require the need for a formal change request to be made.

Change requests may be expedited or escalated by the SRO at the recommendation of the Change Board.

4. Whilst code drafting, we uncover the need to create a new topic area or delay a topic area within the code drafting plan which would extend the M6 delivery by 8 weeks.

This would require the need for a formal change request to be made because it is a change to a Programme success factor – time.

Change requests may be expedited or escalated by the SRO at the recommendation of the Change Board.

Appendix 2 – Code Drafting Plan – Including Consequential Code Drafting Change CR12

