



**MHHS
PROGRAMME**

Industry-led, Elexon facilitated

Cross Code Advisory Group #20

26 July 2023

Version 1.0

MHHS DEL1417

Document Classification: Public

Agenda

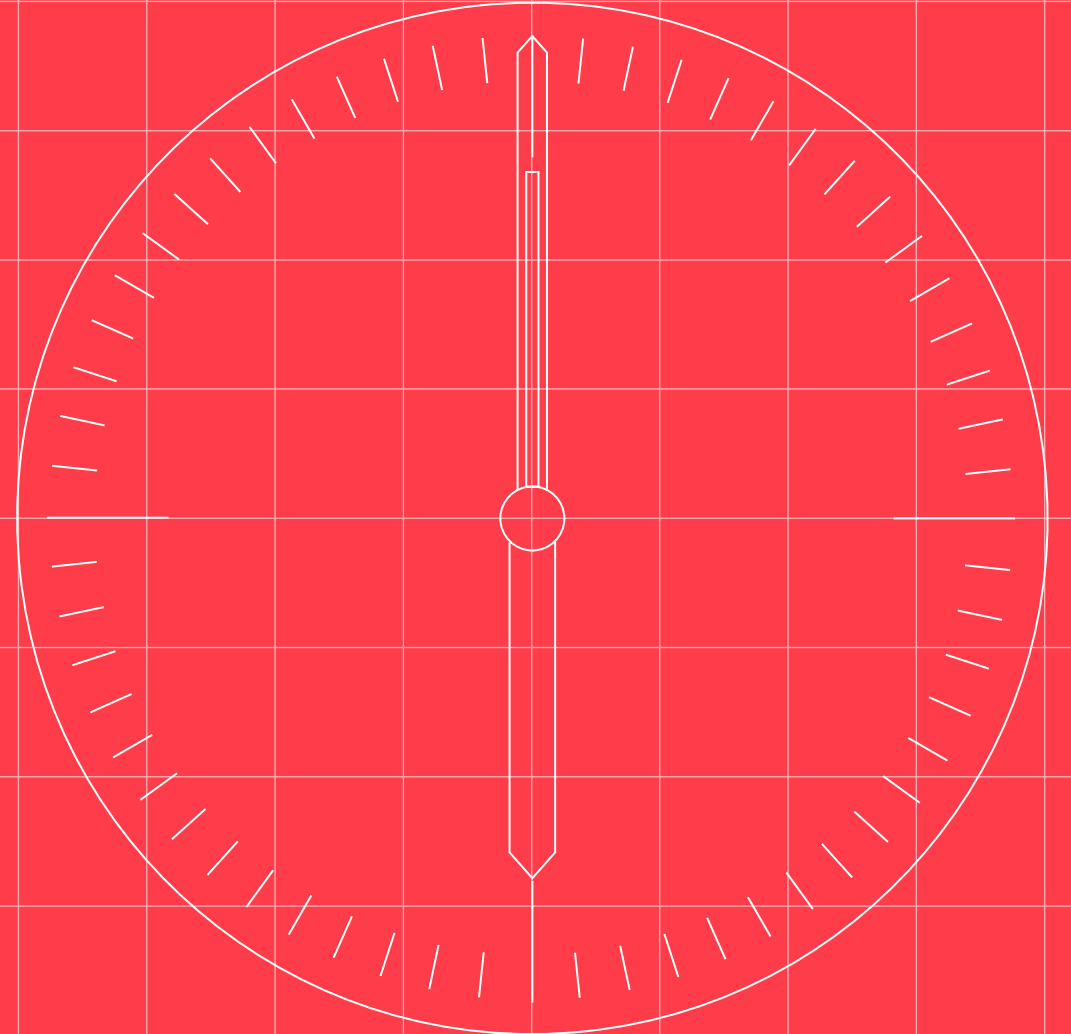
#	Item	Objective	Type	Lead	Time	Page
1	Welcome			Chair	10:00-10:05 5 mins	1
2	Minutes and Actions	Approve minutes of previous meeting and review outstanding actions	Decision	Chair & Secretariat	10:05-10:15 10 mins	3
3	Programme Updates	Updates from MHHS Programme governance groups and the wider Programme	Information	Programme (PMO)	10:15-10:20 5 mins	5
4	Horizon Scanning Log	Updates from all Code Bodies on changes which may impact MHHS Programme	Discussion	Code Bodies & Programme	10:20-10:40 20 mins	7
5	CCAG Reporting	Updates on code drafting activities against approved code drafting plan, including updated PoaP to reflect changes for Consequential Code Change and additional consultations	Information Decision	Programme (Andrew Margan)	10:40-10:55 15 mins	14
6	CR018 Code Drafting Approach	Overview of Programme interpretation of how CR018 design changes are translated to code drafting	Information	Programme (Andrew Margan)	10:55-11:05 10 mins	19
7	CDWG Update	Updates from the Code Drafting Working Group (CDWG)	Information	Programme (Andrew Margan)	11:05-11:15 10 mins	21
8	Summary and Next Steps	Summarise meeting actions and next steps	Information	Chair & Secretariat	11:15-11:20 5 mins	23

Minutes and Actions

DECISION: Approve minutes of previous meeting and review outstanding actions

Chair & Secretariat

10 mins



Minutes and Actions

- Approval of change marked Headline Report and Minutes of CCAG meeting held [28 June 2023](#)
- Review of outstanding actions:

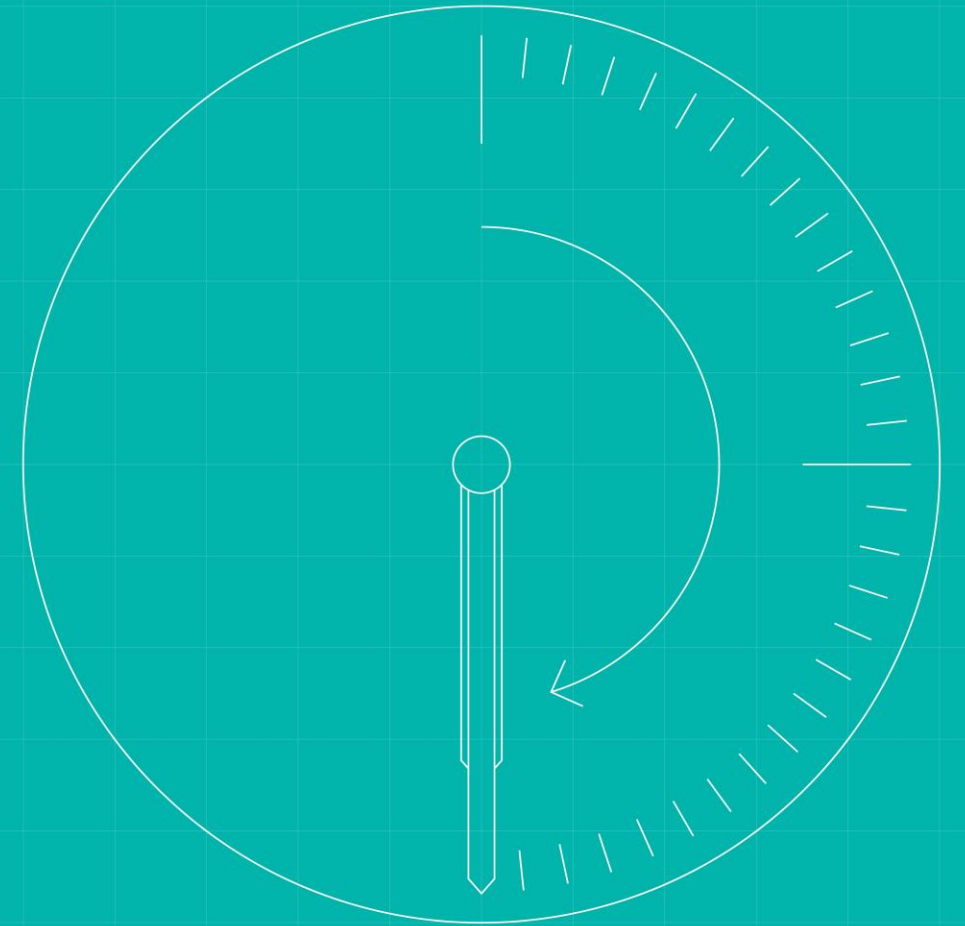
Ref	Action	Owner	Due Date	Update
CCAG19-01	Embed a link to the Code Change Control Overview on the Collaboration Base in Headline Report.	Programme (PMO)	29/06/2023	RECOMMEND CLOSED: Link provided in June Headline Report
CCAG19-02	Minutes and Headline Report from May CCAG to be amended, regarding Code Drafting Mop Up Tranche consultation.	Programme (PMO)	29/06/2023	RECOMMEND CLOSED: Updates applied and published to MHHS website.
CCAG19-03	Update Code Artefact Tracker with Artefact Descriptions where required.	Programme (Andrew Margan)	18/07/2023	RECOMMEND CLOSED: Updated and reflected on Code Collaboration Base.
CCAG19-04	REC Code Manager to feed into opportunities to consolidate codes and consider uppercase and lowercase character requirements. SUGGESTED REWORDING: REC Code Manager to share CCAG members feedback on proposed solution for the role codes data item into the REC change, including regarding opportunities to consolidate codes and consider uppercase and lowercase character requirements.	Harriet Truss (REC Code Manager)	18/07/2023	ONGOING: RECCo advise action is in progress.
CCAG19-05	Share R0097 decision outcome with MHHS PMO, Andrew Margan and Chris Welby.	Harriet Truss (REC Code Manager)	28/06/2023	RECOMMEND CLOSED: Outcome communicated by REC Code Manager.
CCAG19-06	Update RAID Log to better reflect qualification mitigation.	Programme (Andrew Margan)	18/07/2023	RECOMMEND CLOSED: RAID updated to reflect qualification/performance assurance mitigation.

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 05 July 2023

- Sponsor Update:** Ofgem stated a desire to see no slippage in MHHS timelines following the rebaselining of the Programme Plan in June 2023. Ofgem are at the early stages of considering incentives/penalties.
- SASWG ToR:** The Settlement Analysis Scoping Working Group (SASWG) ToR was approved. The group will analyse settlement impacts arising from MHHS and make recommendations. Contact PMO@mhhsprogramme.co.uk to attend.
- Fast Track Design Update Process Review:** PSG received information on the operation of the new process, and were advised it has worked well and will continue. Members and the IPA provided comments. The cut off for IR3 objections is 12 July 2023.

PSG papers available [here](#).

Testing and Migration Advisory Group (TMAG)

Update from TMAG 19 July 2023

- Data Cleanse Plan:** The TMAG approved version 0.3 of the Data Cleanse Plan and the setting up of a new Data Cleanse Working Group.
- Milestone changes for approval:** The TMAG approved milestone changes to the Environment Approach and Plan (with the caveat of further iteration on the two latter dates), CIT Scenarios and SIT Functional Test Scenarios
- Overarching Test Data Approach and Plan:** The TMAG approved version 0.8 of the Overarching Test Data Approach and Plan.
- CIT Test and Test Data Approaches & Plans:** The TMAG approved version 0.4 of the CIT Test Approach and Plan & version 0.5 of the CIT Test Data Approach and Plan.
- Working Group Progress Updates:** The Programme provided an update on the Qualification and E2E Sandbox Working Group.
- IPA Test Assurance Update:** The IPA provided an update on the outcome of the P1 Test Assurance report and timelines for P2.

TMAG papers available [here](#)

Design Advisory Group (DAG)

Updates from DAG 12 July 2023

- DIP Design Document:** The Interface Code of Connections, the DIP PKI Certificate Profiles, and DIP PKI Policy were approved and will now become subject to Programme change control. The baselined documents are available [here](#).
- DES-196 D-Flow and Interface Mapping :** This Design Supporting Document, which provides information on how data flows will be impacted by MHHS, was approved and will now become subject to change control. The baselined document is available [here](#).
- CR017 & CR018 Decision:** The DAG Chair approved CR018, and rejected CR017. Updates will now be made to the MHHS Operational Choreography artefact, with a redlined version due to be circulated in due course prior to release.
- CR024, CR025, CR027:** Amendments to CR024 to descope certain elements were agreed and the change issued for a further five working day Impact Assessment (IA), closing 17:00 20 July 2023. CR025 was approved CR027 was approved for IA, with responses required by 17:00 27 July 2023

DAG papers available [here](#)

Cross Code Advisory Group (CCAG)

Update from CCAG 28 June 2023

- Code Drafting Triage and Assurance Process:** The Programme provided an overview of the Code Drafting Triage and Assurance Process. The CCAG recognised that the triage and assurance process is iterative and will develop as the programme progress.
- Code Artefact Tracker:** The Programme presented new changes to the Code Artefact Tracker.
- Horizon Scanning Log:** For the BSC, P432, P441, P442, P455 were discussed. The Programme clarified as per the Migration Strategy and agreed policy position of Programme Steering Group, complex sites will not be migrated until post M14 in order to avoid reverse migration. This will be managed via the Migration Control Centre. For REC, R0083, R0083A, R0097, R0101, R0109, R0121 were discussed.
- CCAG Reporting:** The Programme provided updates on code drafting activities against approved code drafting plan, including updates on Registration and BSC Central Services consultation, and updates on Interfaces, Qualification, and Migration code drafting.

CCAG papers available [here](#)

Wider Programme updates

Participant Checklist

Change Request CR027: Programme Participants should review and provide feedback on this Impact Assessment. Please email your responses to PMO@mhhsprogramme.co.uk by 17:00 on Thursday 27 July 2023. This Change Request proposes that a new flow should be introduced for e-billing of site-specific DUoS in the post-MHHS environment, because the existing flow uses the Data Transfer Network (DTN) and all other DUoS data will be DIP based.

Registration Code Consultation Artefacts Published: Programme Participants should review and provide feedback on this assurance review. Please share your comments on the Artefacts by emailing the Code team at Code@mhhsprogramme.co.uk by 31 July 2023. At the Code Drafting Working Group (CDWG) meeting on **8 August 2023**, if there are no further improvements, the Programme will request that CDWG recommend that the Registration (REC & BSC) Code Artefacts progress to the Cross-Code Advisory Group (CCAG) for approval on **23 August 2023**.

Upcoming Data Cut: SIT Programme volunteers should be aware of this deadline. SIT participants are required to take a Test Data Cut on **Saturday 19 August 2023**. **Non-SIT participants are not required** to take a Test Data Cut at this stage but will be required to do so later in the Programme for Qualification Testing. The Data Working Group (DWG) will discuss and confirm official dates and the plan for non-SIT participants in due course.

Design: Interim Release Objection Cut-off Deadline Update: Release 3 will go live on **Wednesday 2 August 2023** and the objection cut-off date for Interim Release 4 is **Wednesday 16 August 2023**. For more information, please visit the [Design Review Process page of the MHHS website](#)

PIT Guidance

The latest version of the **PIT Guidance document (v2.0)** sets out what is expected of Programme participants regarding their own PIT testing, whether the Programme participant chooses to go through System Integration Testing (SIT) or a non-SIT route. This document is published on the [PIT page of the MHHS website](#).

Upcoming Events:

CCAG: The next CCAG is on **Wednesday 26 July 2023**.

Change Control Overview: This MHHS Webinar (open to all) provides an overview of MHHS Change Control and information about recent changes to the Programme Change Control Approach. The webinar is at **12:30-13:15 on Thursday 27 July 2023**.

Design Advisory Group (DAG) 12 July 2023:

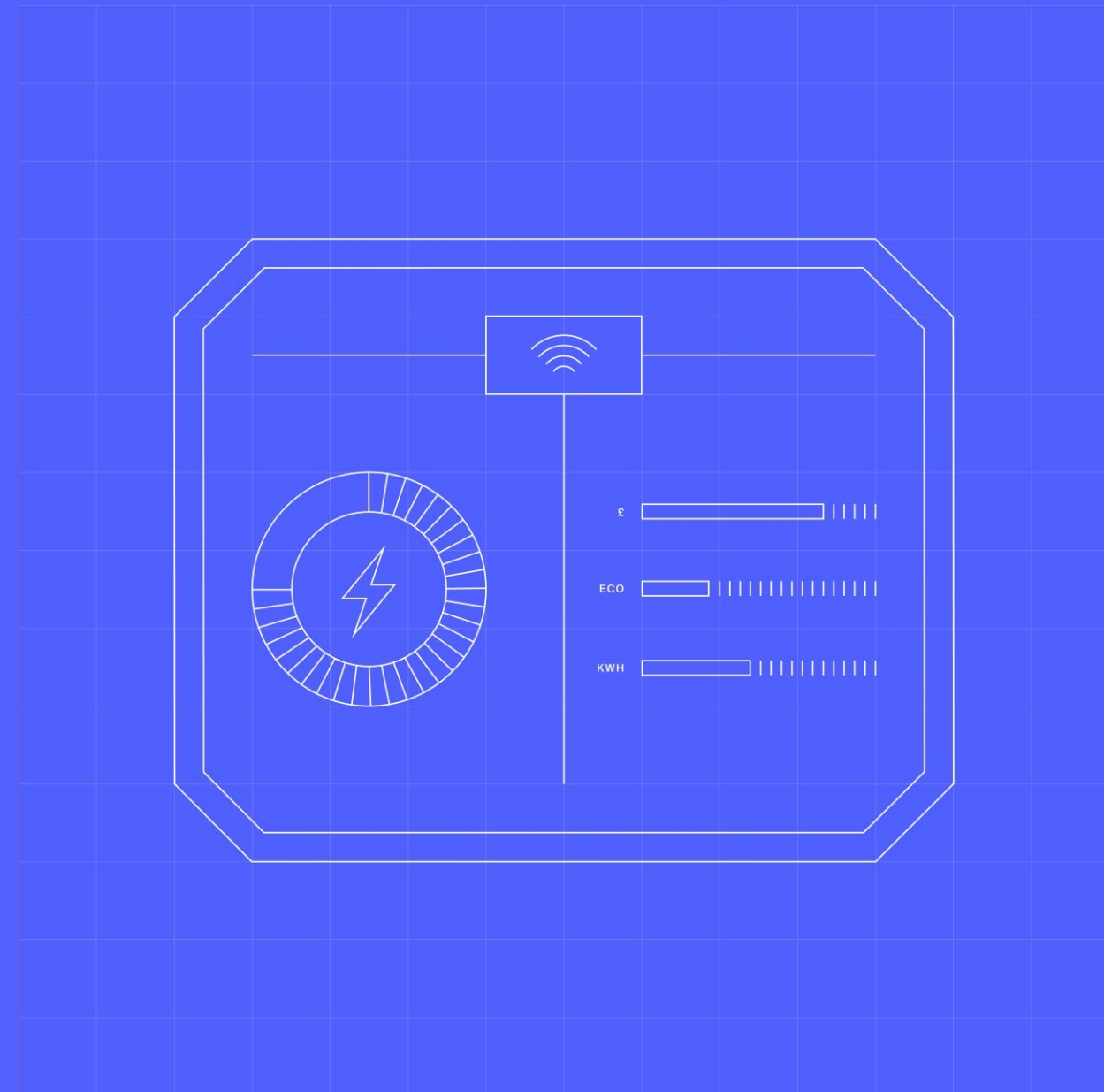
Visit the [Design Governance page of the MHHS website](#) to view the meeting papers and headlines. The next DAG meeting is on **Wednesday 9 August 2023** and the meeting papers will be published on **Wednesday 2 August 2023**.

Horizon Scanning Log

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

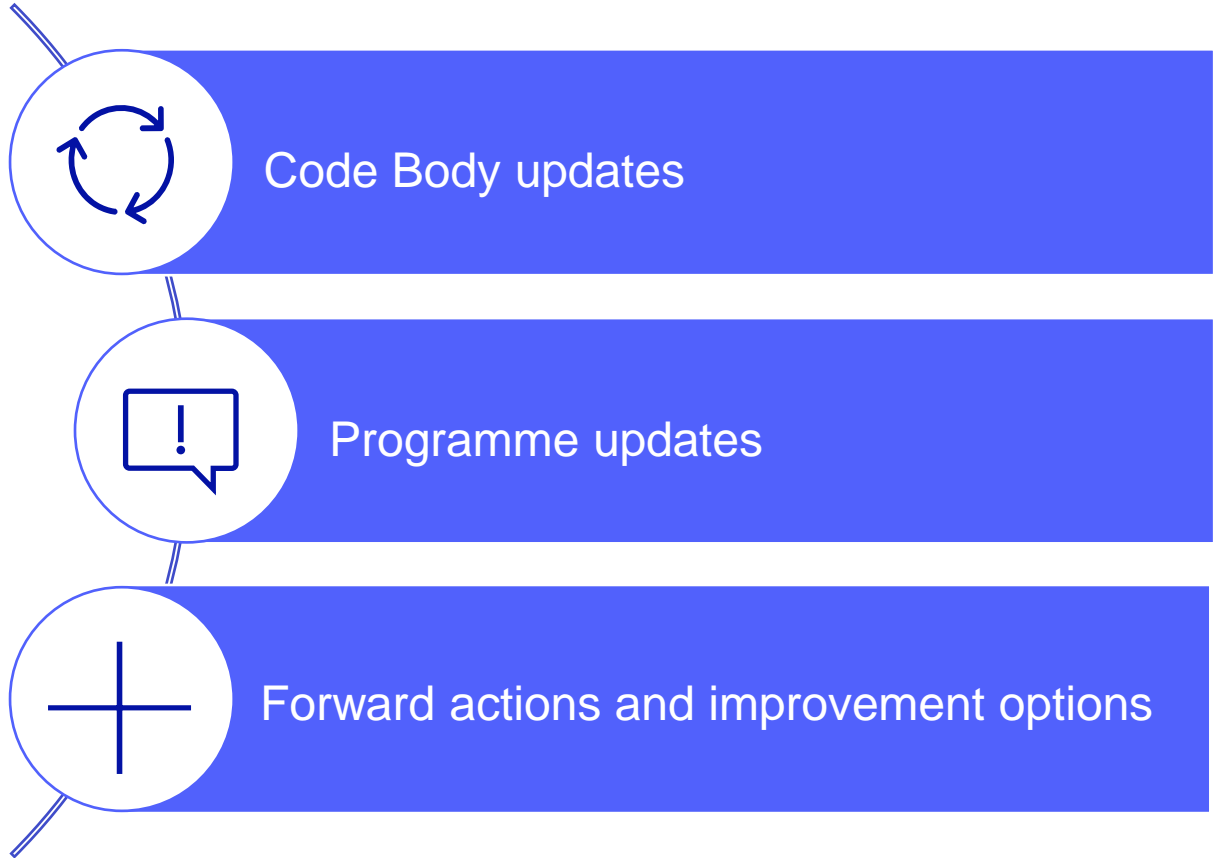
PMO & Code Bodies

20 mins

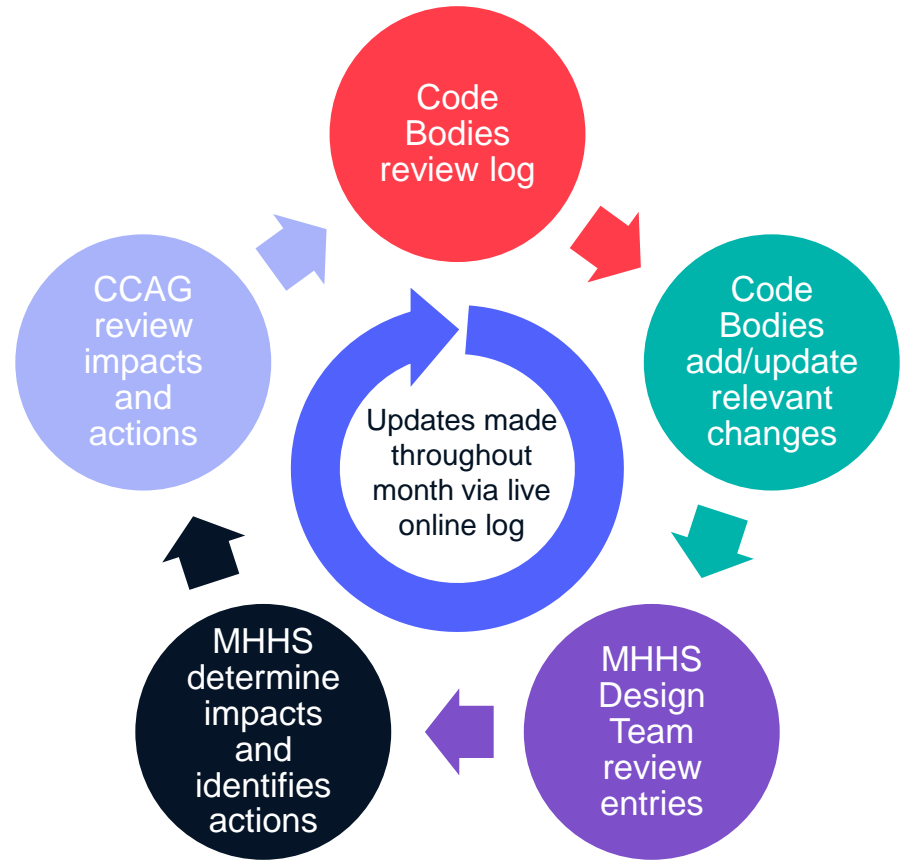


Horizon Scanning Log

CCAG Horizon Scanning Log 26 July 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 DCUSA

Change Title DCP416		Electronic invoicing post MHHS					
Change Summary:		To create a new DCUSA owned DIP data message for electronic Distributor billing post MHHS					
Stakeholder positions:							
Date raised:	14/10/2022	Status:	On hold – awaiting progress of Programme CR	Decision date:	TBC	MHHS Impact:	CR27 DAG has agreed to raise to Impact Assessment (13/07).
Change Title DCP328		Use of system charging for private networks with competition in supply					
Change Summary:		The intent of this change is to ensure that use of system charging remains cost-reflective when competition in supply on a private network is in place. (References to BSC Party Agent, metering type and data flows D0036 or D0275 are made.)					
Stakeholder positions:		All Parties rejected the change proposal					
Date raised:	14/08/2018	Status:	Rejected	Decision date:	13/07/2023	MHHS Impact:	Low (Risk R0225)

Horizon Scanning Code Body Change Updates RECCo – New

Change Title		R0117 - Retrospective Implementation of Distribution Code Use of System Agreement (DCUSA) DCP 383					
Change Summary:		DCP 383, implemented in February 2022, allows the DNO to move existing whole current meters and associated metering equipment as part of a service alteration. DCUSA impacted parties were identified as Suppliers, DNOs and IDNOs, however, as part of the legal text and changes to the Data Specification, Meter Equipment Managers (MEMs) are also impacted. This Change Proposal picks up the REC consequential change that will provide the associated MEM process. Update 19/07 – New CP in initial assessment.					
Stakeholder positions:		MEMs are supportive as they are currently receiving the new flow (D0395) but have no process					
Date raised:	12/05/23	Status:	Initial Assessment	Decision date:	TBC	MHHS Impact	Of interest

Change Title		R0132 - Change the Logical Format of the J0001 (DI50001) 'Market Participant Role Code' data item to Char(2)					
Change Summary:		Raised by Elexon to enable future additional role codes to be created. The logical format of the J0001 (DI50001) is Char(1), which means that there are only 36 possible Market Participant Role Codes – 26 letters and 10 numbers. All 36 Market Participant Role Codes have been allocated, and will be required until the end of the Market-wide Half Hourly Settlement Programme Transition Period. Update 19/07 – New CP. Discussed at CCAG on 28/06. Waiting for lead analyst to be assigned before progressing to initial assessment.					
Stakeholder positions:		TBC					
Date raised:	23/06/23	Status:	New CP	Decision date:	TBC	MHHS Impact	Of interest

Horizon Scanning Code Body Change Updates RECCo – New

Change Title		R0133 Consequential Cross-Code Change for BSC P441 - Complex Site Classes Creation					
Change Summary:		<p>The BSC Modification P441 is looking to introduce complex site classes which would categorise the types of Complex Site with each having clearly defined criteria within the BSC whilst also facilitating a new "type" of Complex Site (referred to as a Class 6 Complex Site) to allow approval of "non-standard" complex sites.</p> <p>Update 19/07 – New CP. P441 raised at CCAG on 28/06. Change Proposal Plan approved at Change Panel on 18/07/23.</p>					
Stakeholder positions:		TBC					
Date raised:	04/07/23	Status:	Under Development	Decision date:	TBC	MHHS Impact	Of interest

Horizon Scanning Code Body Change Updates RECCo – Existing

Change Title		R0043 - Commissioning of Works using shared Meter Operator services by the Crowded Meter Room Co-ordinator (CMRC)					
Change Summary:		<p>This Change Proposal will introduce new processes which will allow a Crowded Meter Room Co-ordinator (CMRC) to contract with a REC accredited MEM to act on behalf of the CMRC, so that they may resolve issues on behalf of all Registered Suppliers within that meter room. The MEMs undertaking this work on behalf of the CMRC will be referred to as the Crowded Meter Room MEM (CMRM).</p> <p>Update 19/07 – Party impact assessment closed on 14/07. Current solution not expected to impact MHHS Design.</p>					
Stakeholder positions:		TBC					
Date raised:	21/04/22	Status:	Under development	Decision date:	TBC	MHHS Impact	Of interest

Change Title		R0062 - Removal of ERDA meteringPointEnergyFlow change restriction					
Change Summary:		<p>This change looks to allow DNOs to make more than one change to the Energy Direction in ERDS, to improve data accuracy without requiring a new RMP. The MHHS Design reflects the current one-time only restriction.</p> <p>Update 19/07 – Change Proposal Plan approved on 04/07. Engagement with MHHS programme in progress on solution and interactions of change processes.</p>					
Stakeholder positions:		DNOs supportive					
Date raised:	28/02/22	Status:	Under Development	Decision date:	TBC	MHHS Impact	Direct impact

Approved for Implementation:

- R0017 - Invalid Requests for Site Technical Details: 03/11/2023
- R0097 - Consequential Change for CSS Smart Meter Data Retriever Appointments: M8 Code Changes delivered

Implemented in 30 June 2023 REC Release:

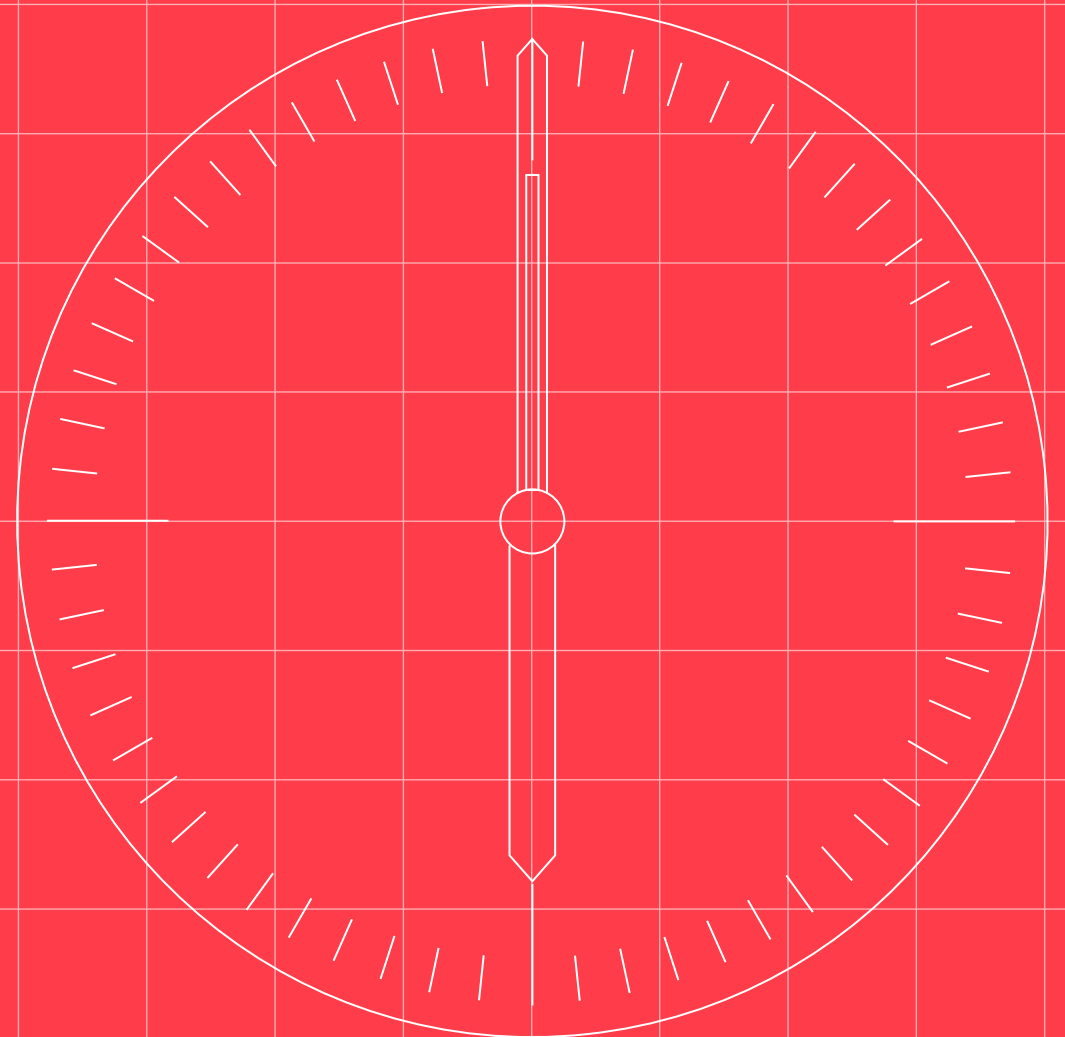
- R0015 - Remote communication obligations for electricity Advanced Meters
- R0021 - Allowing REC accredited MEMs to de-energise and re-energise supply points independent of the Supplier
- R0032 - New Registration data items and processes to support the transition to MHHS
- R0066 - Inclusion of SMRS Data Items in EES (BSC CP1568 Consequential Change)
- R0101 - Revision of the Implementation Date and approved solution for R0021
- R0102 - Revision of the approved solution for R0032

CCAG Reporting

INFORMATION / DECISION: Updates on code drafting activities against approved code drafting plan, including updated PoaP to reflect changes to interface code drafting topic area

Programme (Andrew Margan)

15 mins



MHHS Programme – Code drafting progress update



Status Summary

- Registration comments have been addressed and where accepted, the Code Artefacts have been red-lined and published on the Collaboration Base for industry assurance
- BSC Central Services consultation closed on 12/07 and the comments need to be triaged and actioned.
- Migration, Governance/Qualification (on track)
- Interface/Data Specification activity aligned with Transition text topic area (Mid-October consultation)
- POAP updated and additional Mop-up consultation planned for December



August Deliverables

- Respond to all BSC Central Services consultation comments, publish and complete refinement assurance process
- Consult on Migration, Governance/Qualification
- Continue delivery of Interface/Data Specification and develop/agree new plan and delivery timescales
- Start Mop-up planning how and when changes to Design through CRs and DINs will be delivered



Risks

#	Risk or Issue	Mitigation Plan	RAG
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	1) Design process (DIN Process) set up to resolve Design queries 2) Amend Code Drafting Plan to accommodate outstanding Design areas 3) Monitor volume of DIN items	Medium Risk
R425	R425 - Performance Assurance Regime for the TOM will not be delivered in line with Ofgem's Transition Timetable	1) Delay Performance Assurance consultation to post September. 2) Performance Assurance code text raised through BSC Mod process - descope approach.	Medium Risk
R355	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	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	Medium Risk
R402	Ofgem designate code changes using their SCR powers rather than Smart Meter act powers, adds risk and dependencies on external party delivery	1) Agree plan to ensure SCR powers don't delay M7/M8 2) Agree compressed SCR mod timescales to reduce timelines 3) Code Bodies follow MHSP/Ofgem SCR plan	Medium Risk

Drafting Milestones	Target date	Forecast date	Status
Data Services approved at CCAG	24/05/23	24/05/23	Complete
Metering Services approved at CCAG	24/05/23	24/5/23	Complete
Registration approved at CCAG	23/08/23	23/08/23	Green
BSC Central Services approved at CCAG	27/09/23	27/09/23	Green
Governance and Qualification approved at CCAG	22/11/23	22/11/23	Green
Transition Text and Interfaces approved at CCAG	24/01/24	24/01/24	Green
Topic Area Mop Up approved at CCAG	13/05/24	13/05/24	Green
Consequential Change approved at CCAG	13/05/24	13/05/24	Green
Finalise and consistency check approved at CCAG	23/08/24	23/08/24	Green
Code changes baselined (M6)	23/08/24	23/08/24	Green
Smart Meters Act powers enabled (M7)	06/12/24	06/12/24	Green
Code changes delivered (M8)	07/03/25	07/03/25	Green

DCUSA Delivery Plan

- Consequential code changes (CCC) for all codes are expected to commence in August 2023 (activity L on the Code Drafting plan) with further iterations throughout the programme
- DCUSA Ltd have two of their consequential changes ready for the August drop but are deferring their release to the Programme
- The decision, and the preferred approach, of the DCUSA Panel is to release all the changes (CCC and the Programme impacted changes) in one document**
- The intention is to do so during the transition phase of the Programme in preference to the mop-up phase. This coincides with the second drop of the CCC, **both in October 2023**.
- There are risks and dependencies associated with this, which are reviewed on a monthly basis.
- DCUSA Ltd welcomes the additional drop of CCCs during December aligned with the mop up tranche. This may need to be utilised if the risks and dependencies impact the preferred October delivery plan

Dependencies

- Two of the CCC's are linked to Programme CRs, one (CR19 linked to DUoS Billing) is within the August release with the second (CR27 linked to invoicing) at impact assessment stage. The latter is of concern since the first programme CR took 5 months from raising to delivery which would take it beyond October.

Risks

- One of the CCC (Demand Control) has still to agree a solution
- The deferral of the interface tranche may impact the legal text, so early sight pre consultation would be appreciated

Programme Delivery amendment

- The initial CCC drop of August is not utilised by DCUSA Ltd in preference to an October release in support of the DCUSA Panel decision to deliver all the impacted changes in one document
- The August CCC date is a T3 milestone. Any change to a T3 milestone, needs to be approved at CCAG

The MHHS Programme Code Drafting Plan has been updated to reflect the following changes

- A. Interface timelines extended to align with Transition Text consultation
 - B. An additional consultation window has been added for 4th December
-

In addition, CCAG are requested to approve a change to the DCUSA Consequential Code Change consultation date from 18 August to 11 October to enable the complete set of changes to be consulted together

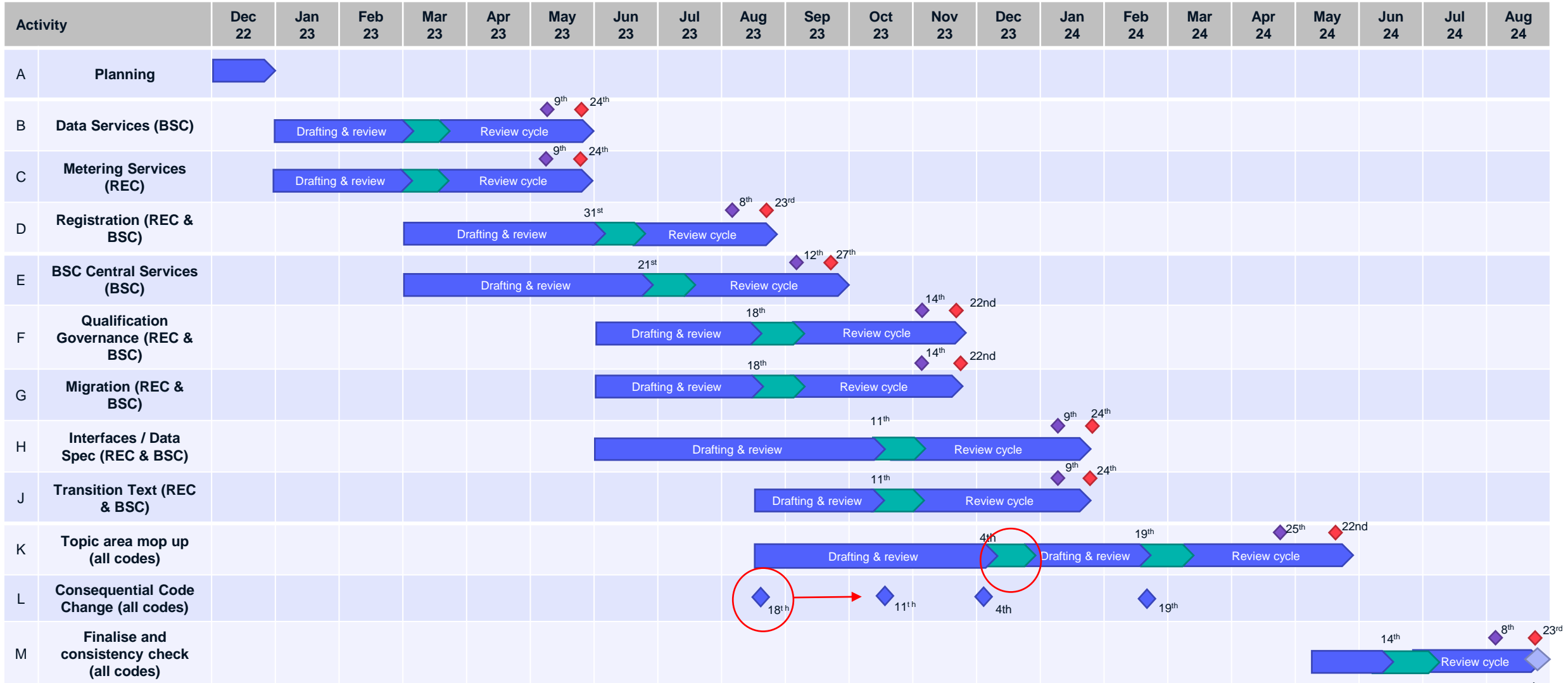
CCAG Request

1. CCAG are requested to approve the new 4th December consultation
2. CCAG are requested to approve moving the DCUSA Consequential Code Change drop from August to October

Code Drafting POAP - Update to reflect June CCAG direction

Key:

	Industry Consultation		CCAG
	CDWG		Consequential code change consultation



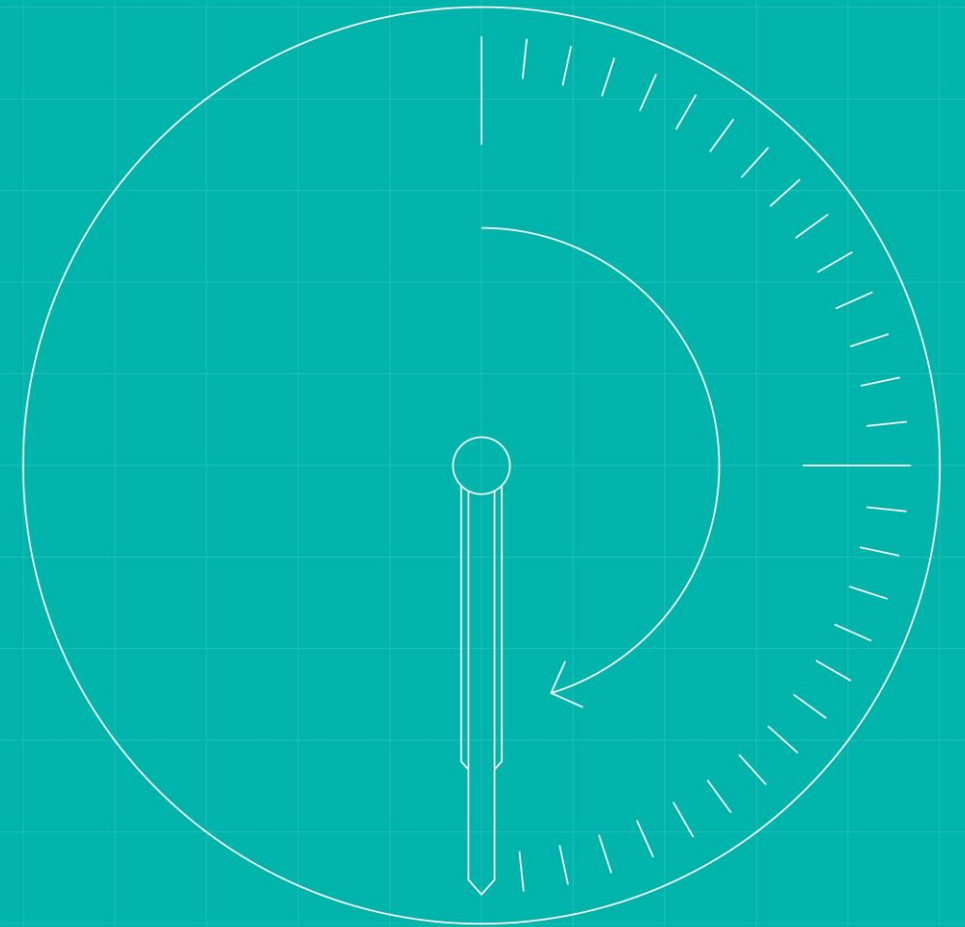
M6 - 23rd Aug

CR018 Code Drafting Approach

INFORMATION: Overview of Programme interpretation of how CR018 design changes are translated to code drafting

Programme (Andrew Margan)

5 mins



Situation

The CR-018 has been approved, along with other Design changes and the Code will be updated to reflect the Design Artefacts.

Approach

The Code Drafting will translate all Design requirements into Code (including for operating hours and where applicable out of hours) up to the BSC boundary.

Process/next steps

As per the industry agreed plan, the Code Artefacts will be updated, after the Design Artefacts have been updated, during the Mop-up stage.

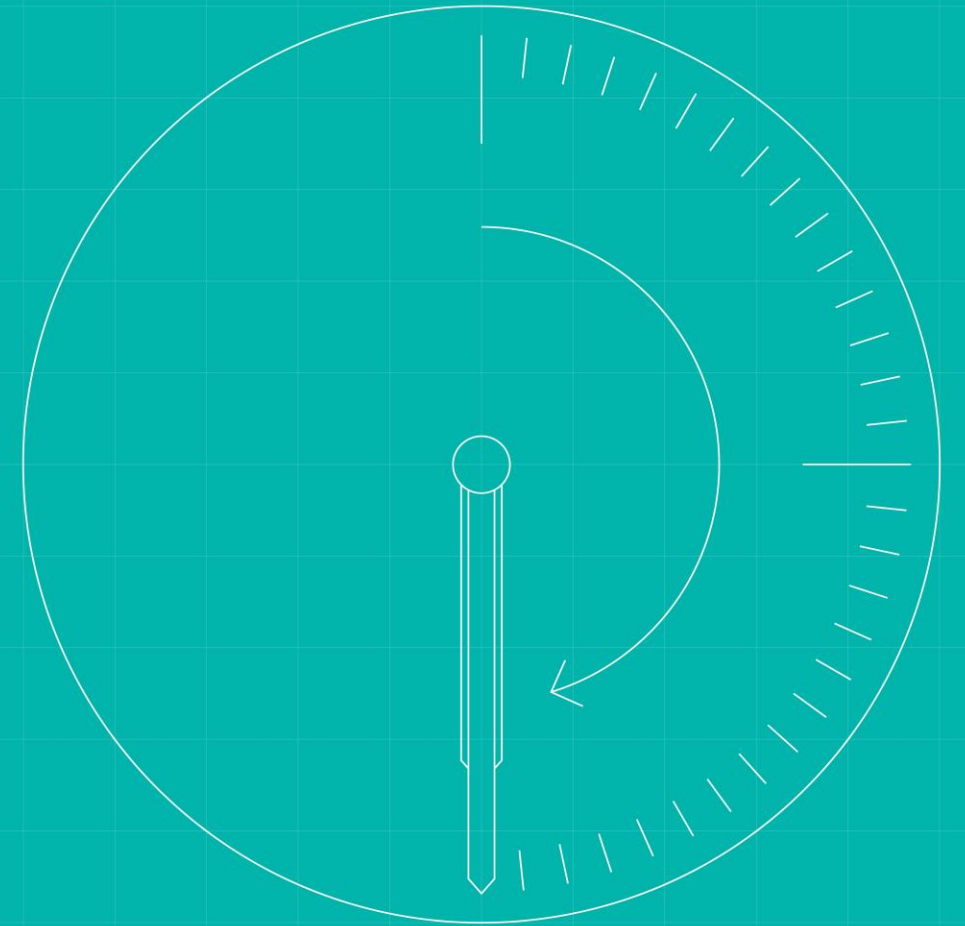
* Assurance and incentives measures are outside of the Code drafting scope.

CDWG Update

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

Programme (Andrew Margan)

10 mins

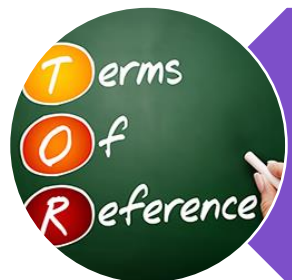




July CDWG update



August CDWG tasks



Upcoming agenda items

CDWG Discussion Topics July

- Update on Registration triage and consultation process
- Overview of BSC Central Services consultation
- Updates to COS read and Long Term Vacant sites issues



CDWG Key August tasks

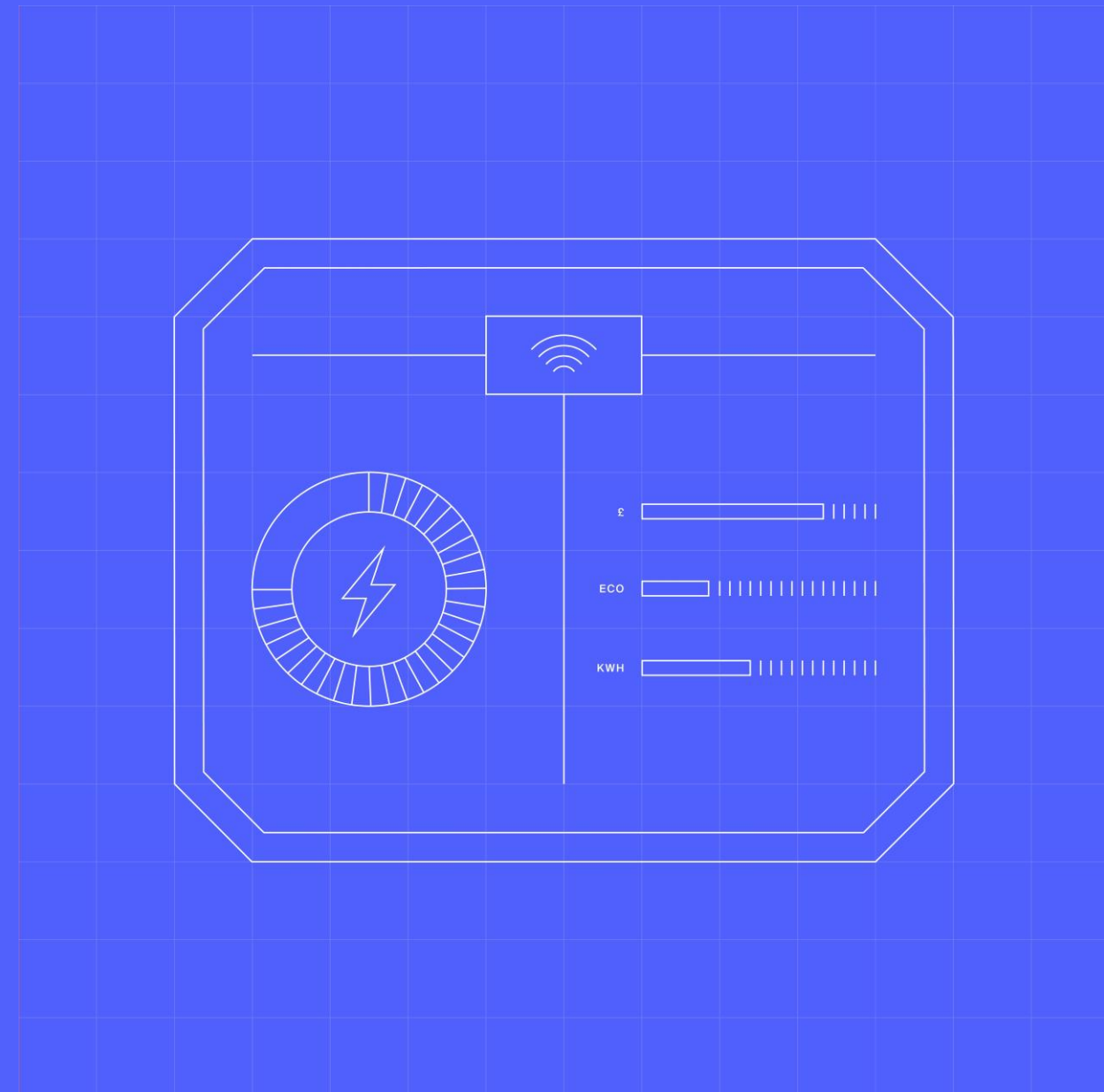
- Request Registration recommendation to CCAG
- Provide BSC Central Services consultation update
- Propose how to progress Long Term Vacant Sites text

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 **23 August 2023 at 10:00am**
- Next CDWG1 meeting **08 August 2023 at 10:00am**
- Next CDWG2 meeting **15 August 2023 at 10:00am**

Meeting dates	26 July	23 August	27 September
Relevant milestones or activities		Tranche 3 Code Drafting Consultation Issued Registration Code Drafting Decision	BSC Central Service Code Drafting Decision
Agenda items	<ul style="list-style-type: none"> • Updates to Registration and BSC Central Services • Updates for Tranche 3 code drafting – Qualification, Migration • Update on Interface code drafting delivery – amended PoaP 	<ul style="list-style-type: none"> • Registration (REC & BSC) Code Drafting Decision • Tranche 3 (Qualification & Governance, Migration) Code Drafting Consultation 	<ul style="list-style-type: none"> • BSC Central Service Code Drafting Decision • Qualification & Governance, Migration consultation update • Interface and Transition update
Standing items	<ul style="list-style-type: none"> • Headline report and actions • Programme updates • Horizon Scanning Log • CCAG Reporting • CDWG Updates • Next steps 	<ul style="list-style-type: none"> • Headline report and actions • Programme updates • Horizon Scanning Log • CCAG Reporting • CDWG Updates • Next steps 	<ul style="list-style-type: none"> • Headline report and actions • Programme updates • Horizon Scanning Log • CCAG Reporting • CDWG Updates • Next steps