

CACoP

Code Administration Code of Practice

Industry engagement day



Introduction

Rob Marshall, National Grid ESO, CACoP Chair

Health & Safety

In case of an emergency

An alarm will sound to alert you. The alarm is tested for fifteen seconds every Wednesday at 9.20am

Evacuating 350 Euston Road

- If you discover a fire, operate one of the fire alarms next to the four emergency exits.
- Please do not tackle a fire yourself.
- If you hear the alarm, please leave the building immediately.
- Evacuate by the nearest signposted fire exit and walk to the assembly point.
- Please remain with a member of ELEXON staff and await further instructions from a Fire Warden.
- For visitors unable to use stairs, a Fire Warden will guide you to a refuge point and let the fire brigade know where you are.

When evacuating please remember

- Do not use the lifts.
- Do not re-enter the building until the all clear has been given by the Fire Warden or ground floor security.

Our team on reception is here to help you, if you have any questions, please do ask them.



Logistics

Wi-Fi

Connect to: ELEXON-GUEST
Pre-shared key: elexOngue5t

Username: Tuesday 16
Password: Welcome

Any Questions?

Go to sli.do
#CACoP

Objectives of today

- Understand what CACoP is
- Gain an insight of what we do
- See what is coming up
- Input on what you want from CACoP

Agenda

| Agenda item | Presenter(s) |
|---|---------------------------|
| Introduction, objectives and agenda | Chair |
| Welcome | ELEXON CEO |
| CACoP Forward Plan – how we do our business | NGESO, ELEXON and Genserv |
| Break | |
| CACoP Engagement – how we can engage with you | Genserv and Electralink |
| Lunch | |
| Energy Code Review | Ofgem |
| Q+A | Chair |
| AOB/wrap-up | Chair |
| End of meeting | Chair |

Why was CACoP formed?

- Competition Markets Authority (CMA) made a number of recommendations to improve energy code administration
- Ofgem conducted a review of code governance in 2015/16 to improve and align approaches
- 11 Energy codes across 6 Code Administrators

Purpose of CACoP

- Promote inclusive, accessible and effective consultation
- Be governed by processes that are transparent and easily understood
- Be administered in an impartial, objective and balanced manner
- Provide rigorous high quality analysis of any case for modification
- Be cost-effective
- Contain rules and processes that are sufficiently flexible to allow for efficient modification management
- Be delivered in a manner that avoids unnecessary regulatory burdens

The CACoP principles

1. Code Administrators shall be critical friends
2. Documentation published by Code Administrators shall be in clear English
3. Information will be promptly and publicly available to users
5. Code Administrators shall support processes which enable users to access a 'pre-Modification' process to discuss and develop Modifications
10. Modifications will be consulted upon and easily accessible to users, who will be given reasonable time to respond
13. Code Administrators will ensure cross Code coordination to progress changes efficiently where modifications impact multiple Codes
14. Code Administrators shall support prospective energy innovators

The full list of 14 principles is available in the [Code of Practice](#) document



Welcome

Mark Bygraves – CEO, ELEXON



CACoP as a planning forum

How we look ahead and monitor on-going changes



Forward Work Plan 2019

Background

- A CACoP Forum was held on 8 March to discuss a Forward Work Plan for 2019 for CACoP
- Back to basics
 - Why does CACoP forum exist?
 - Creation of a mission statement
 - Consideration of the aims and deliverables for 2019

CACoP Forum Mission Statement

*We are here for energy Code Administrators to collaborate,
share best practice and make navigation of all energy codes
easier for all industry participants*

Aims of CACoP Forum

Co-ordination across
all the industry Codes

Acting as a critical
friend

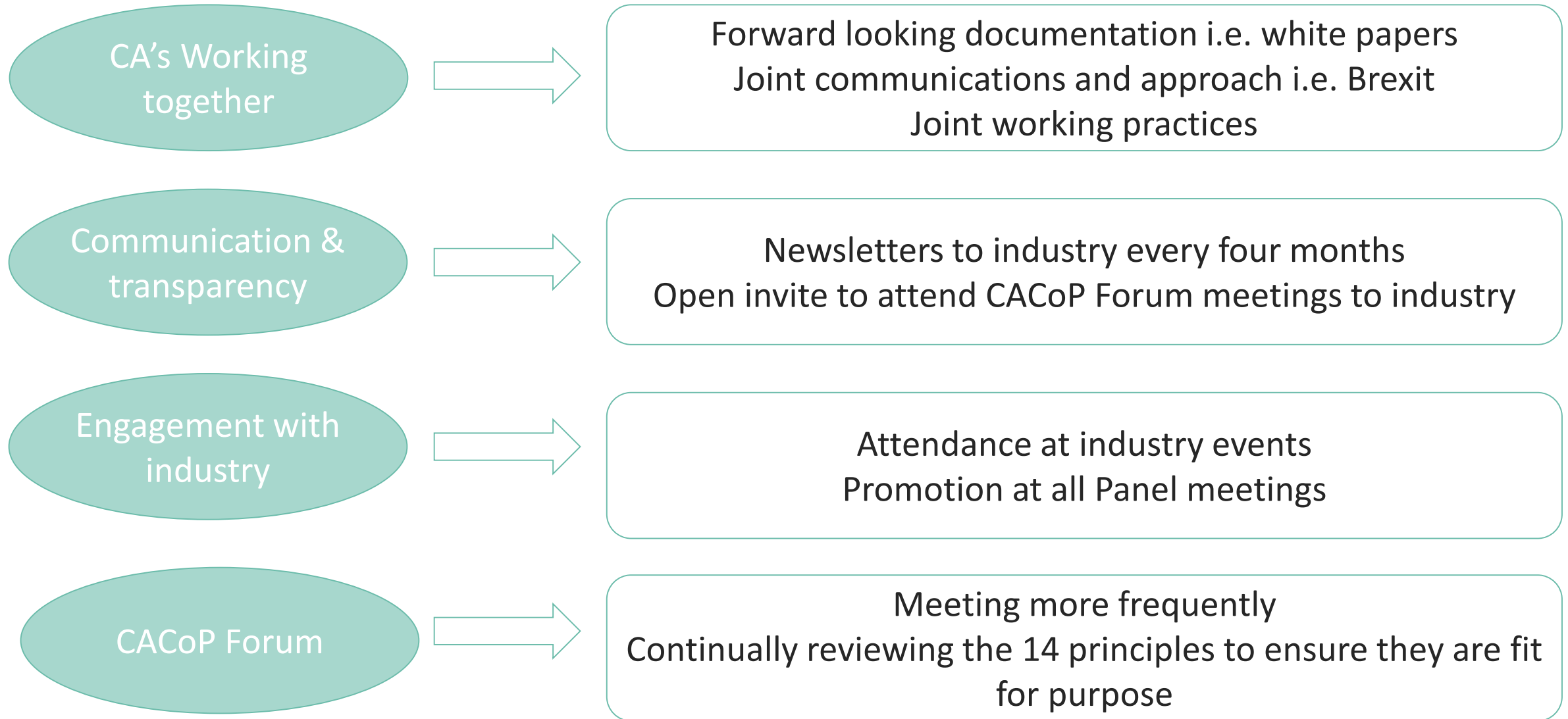
Sharing Best Practice

Raising standards

Raising the profile of
CACoP

Reviewing other Code
activities

Deliverables



2019 Forward Work Plan

| Delivered | Upcoming |
|---------------------------|--|
| 2019 Forward Work Plan | Review of any outputs from today that may revise the Forward Work Plan |
| Newsletter - June | Consideration of podcasts, webinars |
| Face to face event - July | Newsletters |
| | CACoP Survey Results review |



Horizon Scanning

What is Horizon Scanning?

Provides an overview of future events that may affect Industry codes, and which codes


Some events are within the next couple of years, some over the next twenty years

It is updated bi-monthly and published via all Code Administrators' websites

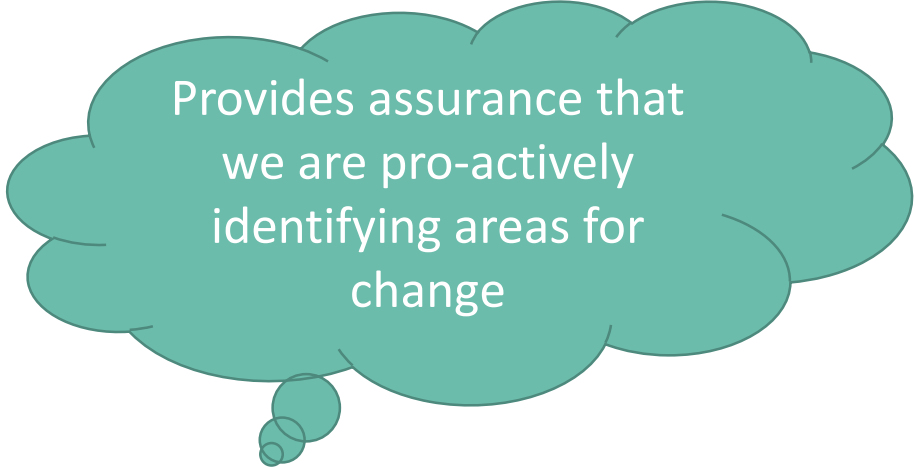
Why did we create the Horizon Scan?

- To identify where we will need to work together
- Allows individual Codes to allocate resources and plan accordingly alongside other future work loads

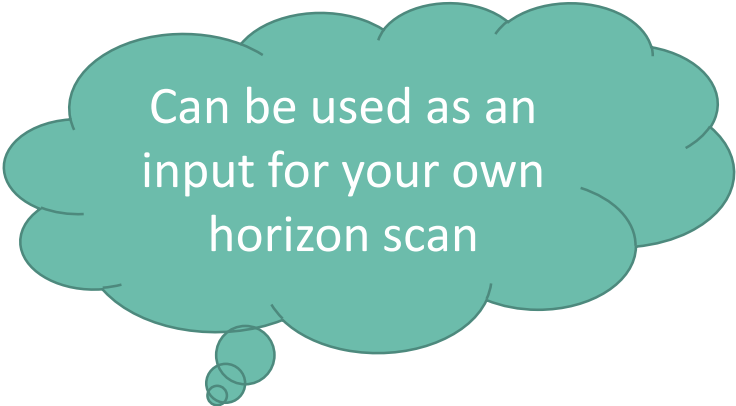
How might you use the horizon scan?



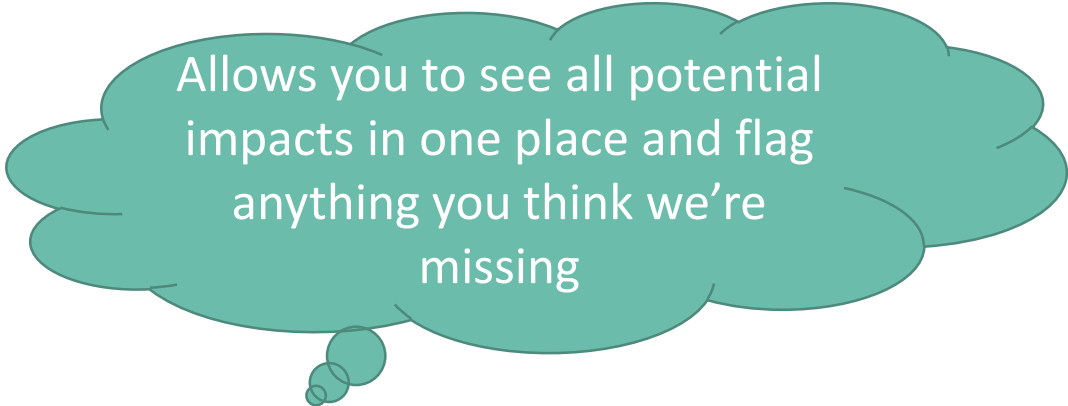
Allows you to see identify potential impacts and plan accordingly



Provides assurance that we are pro-actively identifying areas for change



Can be used as an input for your own horizon scan



Allows you to see all potential impacts in one place and flag anything you think we're missing

What does the Horizon Scan look like?

Code Administrators combined horizon scan May 2019

Horizon scanning provides a high level snap shot of the key legislative and regulatory changes expected to impact the industry. These are true at the time of publication and are intended only for indicative purposes only. The horizon Scan will be used by Code Administrator's to co-ordinate any changes that have cross code impacts.

| Event | Industry | Codes Affected | Action(s) being taken | Within one year | One to two years | Two to five years | Five years plus |
|--|-------------|--|---|-----------------|------------------|-------------------|-----------------|
| Electricity Settlement Reform | Electricity | BSC, GCode, MRA and SEC | ELEXON are leading on design of Targeted Operating Model (TOM) on behalf of Ofgem. Decisions due in 2019. Implementation timelines TBA | | | | |
| Open Networks Project | Electricity | BSC, CUSC, DCode, GCode and SEC | Energy Network Association (ENA) - will liaise with other CAs as required to implement recommendations | | | | |
| Smart Meter Roll out | Both | BSC, IGT UNC, MRA, SEC, SPAA and UNC | Continue to monitor and react as required | | | | |
| BES Smart Systems and Flexibility Plan | Electricity | BSC, CUSC, DCode, DCUSA, MRA, SECAS, and SPAA | Key objectives are to remove barriers to smart technologies, including storage, enable smart homes and businesses and make markets work for flexibility. On-going consideration of these objectives will lead to code changes. Continue to monitor. | | | | |
| Generation licence for Storage | Electricity | BSC, CUSC, DCode, DCUSA, GCode and SEC | Will consider implications to Codes once details are known | | | | |
| Changing Futures Forum | Electricity | BSC, CUSC, DCUSA and GCode | This group will look at the following electricity areas: distribution, retail markets, transmission/wholesale markets and licenses, codes and standards. It is likely to lead to code changes in the future. | | | | |
| National Grid product roadmap | Electricity | BSC, CUSC, DCode, DCUSA and GCode | National Grid to liaise with CAs as required | | | | |
| Central Switching Service (CSS) Consequential Changes | Both | BSC, MRA, SECAS, UNC, IGT UNC, SPAA | Codes to raise Modifications as required/directed by Ofgem and liaise with each other. Some Mods already identified as cross-code e.g. between MRA and BSC | | | | |
| Compliance with EU Network Codes on Emergency and Restoration plans | Electricity | DCode and GCode | Defence and restoration plans developed by National Grid and issued 18th December 2018 following review and comment stakeholder group. Implementation period 12 months from 18/12/18 via Gcode and Dcode - still awaiting to see if further impacts | | | | |
| Electric vehicle to grid | Electricity | BSC, CUSC, DCode, DCUSA, GCode and SEC | Continue to monitor and react as required. Technology remains experimental. CAs to consider how they may be able to implement. Open networks looking into this - liaise as required | | | | |
| Transition from DNO to DSO | Electricity | BSC, CUSC, DCode, DCUSA, GCode, MRA and SEC | Continue to monitor and react as required. CA's to identify how they may be impacted | | | | |
| Ofgem Consultative Board | Both | BSC, CUSC, DCode, DCUSA, GCode, IGT UNC, MRA, SEC, SPAA, STC and UNC | On hold pending further announcements from Ofgem | | | | |
| Government funded EV charge points | Electricity | BSC, DCode, SEC, MRA, DCUSA | Awaiting Government notice. CA's to investigate how we may be impacted | | | | |
| Thermatec Sources of Gas | Gas | SPAA, UNC and IGT UNC | Projects are on-going. Will monitor and see what the results are - will be some time until changes are required | | | | |
| Smart Charge | Electricity | CUSC | Monitor | | | | |
| Energy services register | Gas | IGT UNC, SPAA and UNC | Continue to monitor if further changes are required | | | | |
| Statement of works | Electricity | CUSC | Work ongoing | | | | |
| Review of approach to licensing Suppliers | Both | BSC, IGT UNC, MRA, SEC, SPAA and UNC | Continue to monitor and react as required | | | | |
| Investigating causes and contributors to levels and volatility of Unidentified Gas | Gas | UNC, IGT UNC and SPAA | 9 UNC Modifications have now been raised as a result of analysis/recommendations made by UG Taskforce. Project to close October 2019, once all Modifications have been raised. More Changes expected this year | | | | |
| UK System Release June 2019 | Gas | IGT UNC, SPAA and UNC | System testing | | | | |
| UK System Release Nov 2019 (including RAASPI) | Gas | IGT UNC, SPAA and UNC | Design | | | | |
| Strategy for long term EU greenhouse gas emissions reductions | Both | BSC, CUSC, DCode, DCUSA, GCode, IGT UNC, MRA, SEC, SPAA, STC and UNC | Continue to monitor and react as required | | | | |
| Small scale low carbon generation (new FITs) | Electricity | BSC, CUSC, DCode, GCode, MRA and SEC | Continue to monitor and react as required | | | | |
| Changes to Supplier Hub Arrangements | Both | BSC, GCode, IGT UNC, MRA, SEC, SPAA and UNC | Continue to monitor and react as required | | | | |
| Non-Domestic Small Supplier Manifesto | Both | BSC | Continue to monitor and react as required | | | | |
| European Network Development Plan | Electricity | BSC, CUSC, DCode, DCUSA and GCode | Continue to monitor and react as required when published - annually to see how we may be impacted | | | | |
| Accelerating connectors | Electricity | CUSC | CUSC to report to CAGP what this is | | | | |
| Encouraging innovation in regulated utilities | Both | BSC, CUSC, DCode, DCUSA, GCode, IGT UNC, MRA, SEC, SPAA, STC and UNC | Out for consultation from BES until Jan 19 | | | | |
| Audit of P2 - Security of Supply document | Electricity | DCode, GCode and DCUSA | Ofgem considering - may lead to license changes. ENA asked to provide engineering reports. Considering evolving landscape - being sent to Ofgem Spring/Summer 2019 | | | | |
| Incorporation of storage and embedded generation into Black Start processes | Electricity | BSC, DCode and GCode | Concept identified, further analysis is ongoing | | | | |
| Industry Code review | Both | BSC, CUSC, DCode, DCUSA, GCode, IGT UNC, MRA, SEC, SPAA, STC and UNC | Workshops have been held. Consultation in the summer | | | | |
| Project TERRA follow on Mods | Electricity | BSC, CUSC, GCode and MRA | Additional Mods to deliver Project TERRA in line with ENTSO-E and ACER announcements. NGEEO and ELEXON to liaise as required | | | | |
| Migration of PSTN and Mobile tele-communications | Both | BSC, CUSC, DCode, DCUSA, GCode, IGT UNC, MRA, SEC, SPAA, STC and UNC | Potential impact for data communications and collection. ELEXON already identified - potential cross code Workgroup | | | | |
| UK System Release CSS Consequential | Electricity | UNC and IGT UNC | Design Phase | | | | |
| Clean Energy Package | Both | All | Proposed Legislation is being finalised Raise Modifications as required. Await announcements from BES/Ofgem etc. regarding implementation. ELEXON and NGEEO to liaise initially and later with other CAs | | | | |
| Retail Energy Code | Both | BSC, CUSC, DCode, DCUSA, GCode, IGT UNC, MRA, SEC, SPAA, STC and UNC | Await further announcements from Ofgem | | | | |
| Brexit | Both | BSC, CUSC, DCode, DCUSA, GCode, IGT UNC, MRA, SEC, SPAA, STC and UNC | Codes to identify day 2 implications (Consequential Modifications) and potential for Cross-Code impacts | | | | |
| General Election | Both | BSC, CUSC, DCode, DCUSA, GCode, IGT, MRA, SEC, SPAA, STC and UNC | It is expected that the energy industry will be the focus of a number of election pledges during the 2022 UK General Election, with the likely emphasis being on the increasing number of electric cars in the UK, energy storage and DG arrangements - all having impacts on various codes depending on outcome. | | | | |
| Calculation changing of mixed fuel types | Electricity | CUSC and BSC | Arrangements for multiple fuel types behind same connection point | | | | |
| BMETS 1 Adoption and Enrolment Phase 1 | Both | BSC, CUSC, DCUSA, IGT UNC, MRA, SEC, SPAA and UNC | Initial Operating Capabilities | | | | |
| BMETS 1 Adoption and Enrolment Phase 2 | Both | BSC, CUSC, DCUSA, IGT UNC, MRA, SEC, SPAA and UNC | Middle Operating Capabilities | | | | |
| BMETS 1 Adoption and Enrolment Phase 3 | Both | BSC, CUSC, DCUSA, IGT UNC, MRA, SEC, SPAA and UNC | Final Operating Capabilities | | | | |
| UK System Release June 2020 | Gas | IGT UNC, SPAA and UNC | Capture phase | | | | |
| Gas Fault Current Injection 2 | Electricity | GCode, DCode | Monitor and liaise | | | | |
| Operator Reliability Guidelines - Project Bambi | Electricity | BSC, CUSC and GCode | Working development and direction from ENTSO-E. Awaiting guidance on emulation post-Brexit | | | | |
| System Operator Guidelines Data Exchange | Electricity | GCode and DCode | Work ongoing | | | | |
| System Operator Guidelines Regional Outage | Electricity | GCode | Work ongoing | | | | |
| UK System Release Nov 2020 | Gas | IGT UNC, SPAA and UNC | None | | | | |
| ACER Review of REMIT obligations | Both | BSC, GCode, CUSC, UNC, IGT UNC | Included in ACER 2020 draft work plan - Once published identify new regime and Potential Code Mods. In the event of no-deal - may be driven by Ofgem for UK | | | | |
| Gas Quality Specification Changes | Gas | UNC | NG-NTS still analysing - may have impact on other Codes | | | | |
| Hydrogen Injection into Gas System | Gas | UNC, SPAA and IGT UNC | Analysis ongoing - still in development | | | | |
| New EU Regulation (beyond EU 3rd Package) | Both | BSC, CUSC, DCode, DCUSA, GCode, IGT UNC, MRA, SEC, SPAA, STC and UNC | Continue to Monitor | | | | |
| EU Requirements for Generators | Electricity | GCode, DCode | Monitor and liaise | | | | |
| Petrol and Diesel car ban - electric or natural gas vehicle increase | Both | BSC, CUSC, DCode, DCUSA, GCode, IGT UNC, MRA, SEC, SPAA, STC and UNC | No action required at this time - continue to monitor | | | | |

What does the Horizon Scan look like?

| Event | Industry | Codes Affected | Action(s) being taken | Within one year | One to two years | Two to five years | | | Five years plus | | | | | |
|--|-------------|--|---|-----------------|------------------|-------------------|--|--|-----------------|--|--|--|--|--|
| Electricity Settlement Reform | Electricity | BSC, GCode, MRA and SEC | ELEXON are leading on design of Targeted Operating Model (TOM) on behalf of Ofgem. Implementation timelines TBA | | | | | | | | | | | |
| Generation licence for Storage | Electricity | BSC, CUSC, DCode, DCUSA, GCode and SEC | Will consider implications to Codes once details are known | | | | | | | | | | | |
| Degradation of PSTN and Mobile tele-communications | Both | BSC, CUSC, DCode, DCUSA, GCode, iGT UNC, MRA, SEC, SPAA, STC and UNC | Potential impact for data communications and collection. Potential cross code Workgroup | | | | | | | | | | | |
| Alternative Sources of Gas | Gas | SPAA, UNC and iGT UNC | Projects are on-going. Will monitor and see what the results are - will be some time until changes are required | | | | | | | | | | | |
| Clean Energy Package | Electricity | BSC, CUSC, DCode, DCUSA, GCode and SEC | Will consider implications to Codes once details are known | | | | | | | | | | | |

Published on individual websites e.g. <https://www.elexon.co.uk/bsc-and-codes/code-administration-code-practice-cacop/>



Break

Any Questions?

**Go to sli.do
#CACoP**



Central Modifications Register

What is the CMR?

The Central Modification Register provides a consolidated list of all open modifications and changes across all Codes

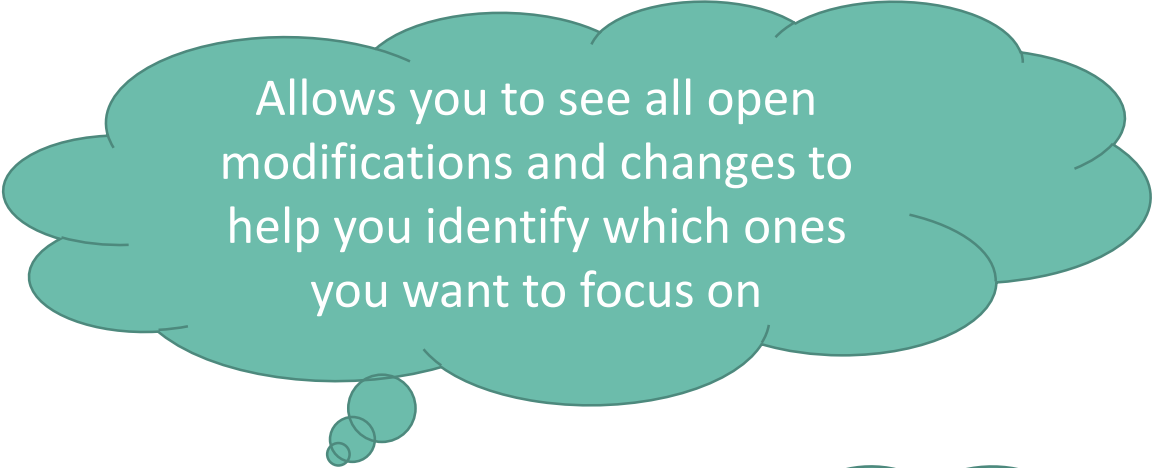
It also provides an up-to-date calendar of key industry meeting dates

It is updated monthly and published via all Code Administrators' websites


Why did we create the CMR?

- Information on individual modifications and changes are published on each Code's individual websites
- The CMR brings all key information into a single source to provide a holistic view

How might you use the CMR?




Allows you to see all open modifications and changes to help you identify which ones you want to focus on



Provide you visibility of industry meetings



Identify any issues affecting the industry



Allows you to track cross-Code changes in one place

Where can you find the CMR?

The latest version of the Central Modification Register can be found via the CACoP page on each Code Administrator's website

| CODE | MODIFICATION REFERENCE | TITLE OF PROPOSED MODIFICATION | SUMMARY OF MODIFICATION | PROPOSER & PROPOSING ORGANISATION | DATE RAISED | OTHER CODES IMPACTED | CATEGORY OF MODIFICATION |
|---|-----------------------------|---|---|---|-------------|----------------------|--|
| Master Registration Agreement | DTC CP 3509 | New Data Flow and New Data Item to advise PAYG | The new Data Flow is to be sent on confirmation of a Change of Supplier (CoS) Loss to notify the New Supplier by the Old Supplier as whether the meter is being operated as a Pay As You Go (PAYG) or not. | British Gas | 16-Feb-17 | None | Standard change proposal (self governance) |
| Master Registration Agreement | DTC CP 3510 | low updates for the Assignment of Debt in relation to Prepayment | To enable the procedure for the Assignment of Debt in relation to Prepayment Customers be completed securely via the Data Transfer Network (DTN). | British Gas | 16-Feb-17 | None | Standard change proposal (self governance) |
| Master Registration Agreement | DTC CP 3530 | Update D0225 population rules in DTC Annex C | Change the word Should to Shall in the rules in DTC Annex C for populating the D0225 (Priority Services Details) to ensure the required data is included in the flow | British Gas | 19-Jan-18 | None | Standard change proposal (self governance) |
| Master Registration Agreement | DTC CP 3539 | Amendment to D0389 Flow | Remove the Distributor to Supplier instance from the D0389 flow due to the process for requesting additional Import/Export MPANs process being incorporated into ECOES2 | BP Distribution | 30-Apr-18 | None | Standard change proposal (self governance) |
| Master Registration Agreement | DTC CP 3544 | Amendment to Register Mapping Rules for DCC-enrolled Smart Meters | This change seeks to amend the current register mapping rules for DCC-enrolled smart meters, introduced by DTC CP 3493A, to remove the risk of registers needing to be re-mapped where SMETS2 meters are enrolled into the DCC. | Electricity Plus Supply | 12-Jul-18 | None | Standard change proposal (self governance) |
| Standard change | | | | | | | |

Overview report JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ...

Calendar view for July 2019. The calendar is titled "CACoP Engagement Day". The events are as follows:

| Day | Event |
|----------|-------------------------|
| 15 (Mon) | CACoP Engagement Day |
| 16 (Tue) | IGT UNC Workstream |
| 17 (Wed) | SPAA Expert Group (SEG) |
| 18 (Thu) | SPAA Change Board |
| 19 (Fri) | IREG |
| 20 (Sat) | SEC Panel |
| 21 (Sun) | IGT UNC Panel |

<https://www.mrasco.com/changes/code-administration-code-of-practice/>



CACoP engagement with the industry

What have you said to us?

Navigating the fragmented governance of the energy industry is very challenging

CACoP products like the Central Modifications Register and Horizon Scanning are useful

Ensure CACoP provides concise and consolidated information to help industry stay abreast of Code changes that affect them

What are we doing about this?

- We are reviewing how best to support the industry and provide relevant information that is beneficial
- A key objective of today is to understand what you want in terms of engagement from CACoP

What do we want to communicate to you?

Why you should know about CACoP

Examples of what we are doing:

- Case studies
- Exchange of best practice
- Increasing awareness of CACoP

Keeping you informed of cross-Code changes

Introducing the CACoP Newsletter!



Principle Focus

The CACoP sets out 14 fundamental principles which each Code Administrator has committed to following. These principles are:



1. Code Administrators shall be critical friends;



2. Documentation published by Code Administrators shall be in clear English;



3. Information will be promptly and publicly available to users;



4. The CACoP will be reviewed periodically and subject to amendment by users;



5. Code Administrators shall support processes which enable users to access a 'pre-Modification' process to discuss and develop Modifications;



12. The Code Administrators will report annually on agreed metrics;



13. Code Administrators will ensure cross Code coordination to progress changes efficiently where Modifications impact multiple Codes; and



14. Code Administrators shall support prospective energy innovators.

In each Newsletter, Principle Focus will take a closer look at one of these principles, and some of the steps that Code Administrators employ to achieve them. Please contact your Code Administrator directly or visit individual Code websites if you want to find out more.

Dates for your diary

CACoP Engagement Event

- Making navigating the code landscape easier
- Short articles with links to more information
- Contact information for Codes
- Present updates to Panels

How else could we engage with you?



Central website



Industry
representatives
invited to attend
CACoP meetings



Podcasts



CACoP
attendance at
industry events

How should we engage with you?

Breakout session to gather views on the following questions:

- 1) What difficulties do you have with engaging with CACoP?
- 2) How can CACoP better support you?
- 3) How do you value and use the current CACoP products?



Lunch

Any Questions?

**Go to sli.do
#CACoP**



Energy Code Review

David Hall, Head of Industry Codes, Ofgem



Questions and answers

Your opportunity to quiz us

**Go to [sli.do](#)
#CACoP**



Conclusion and Summary

