

# CACoP

Code Administration Code of Practice

## Industry engagement day



# Introduction

**Rob Marshall, National Grid ESO, CACoP Chair**

# 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

# 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](https://sli.do)  
#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 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

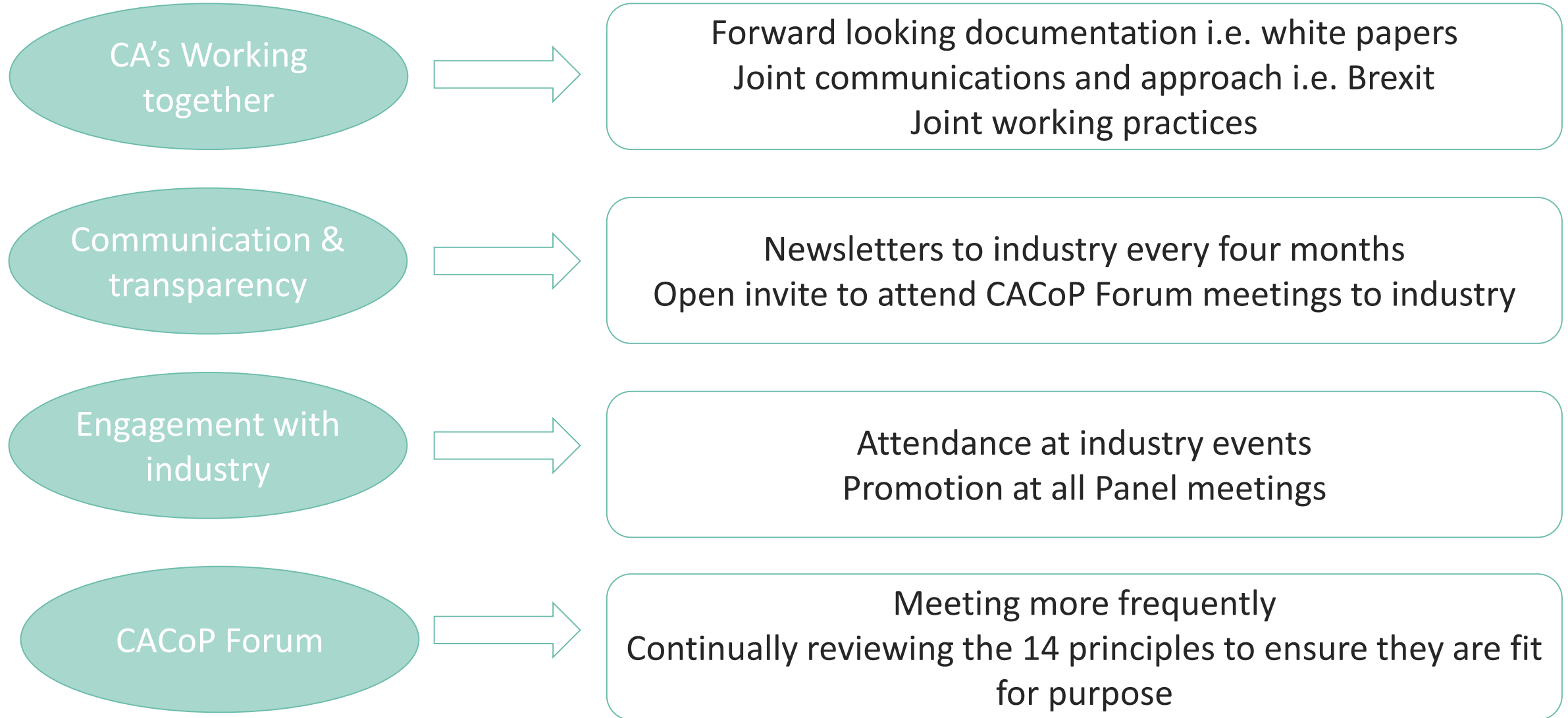
Sharing Best Practice

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

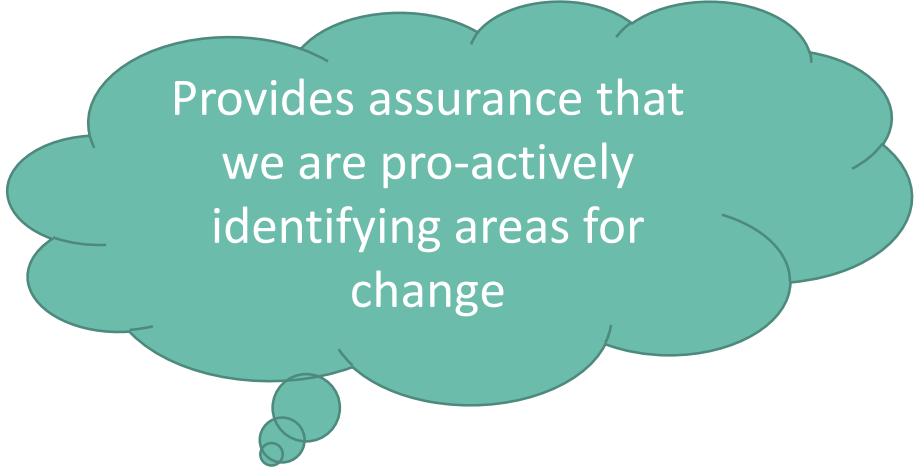
# Why did we create the Horizon Scan?

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

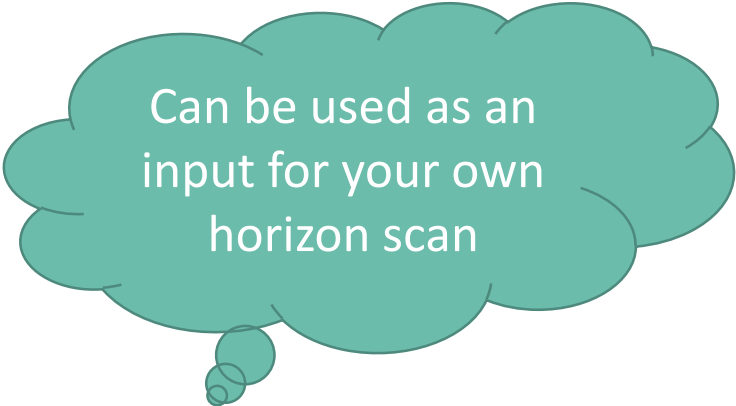
# How might you use the horizon scan?



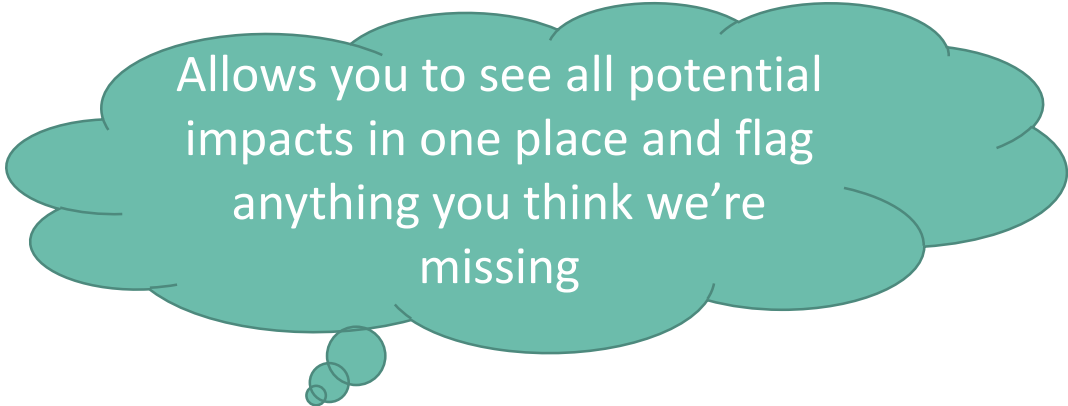
Allows you to see identify potential impacts and plan accordingly



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				
Proteus 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				
Auditor 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 TIERRE follow on Mods	Electricity	BSC, CUSC, GCode and MRA	Additional Mods to deliver Project TIERRE 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 UNC, 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 charging 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 Requirement 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/>



# Central Modifications Register



# What is the CMR?

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

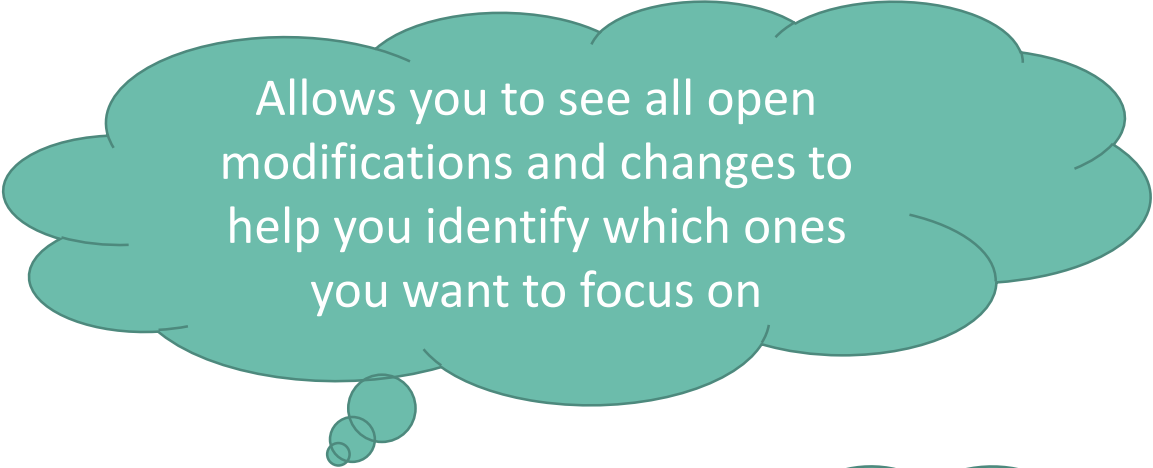
It also provides an up-to-date calendar of key industry meeting dates

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



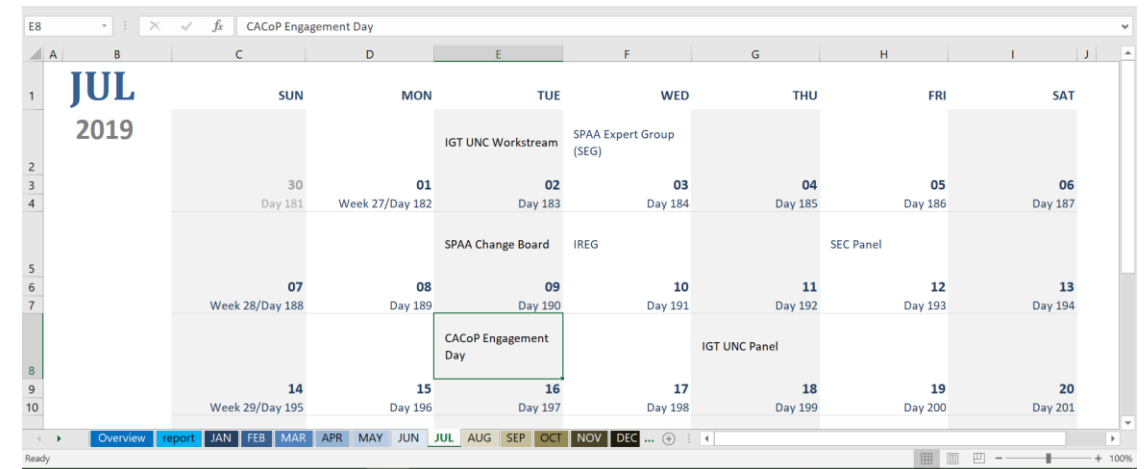
Allows you to track cross-Code changes in one place

# 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
<a href="#">Master Registration Agreement</a>	<a href="#">DTC CP 3509</a>	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.	<a href="#">British Gas</a>	16-Feb-17	None	Standard change proposal (self governance)
<a href="#">Master Registration Agreement</a>	<a href="#">DTC CP 3510</a>	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).	<a href="#">British Gas</a>	16-Feb-17	None	Standard change proposal (self governance)
<a href="#">Master Registration Agreement</a>	<a href="#">DTC CP 3530</a>	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	<a href="#">British Gas</a>	19-Jan-18	None	Standard change proposal (self governance)
<a href="#">Master Registration Agreement</a>	<a href="#">DTC CP 3539</a>	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 E0052	<a href="#">BP Distribution</a>	30-Apr-18	None	Standard change proposal (self governance)
<a href="#">Master Registration Agreement</a>	<a href="#">DTC CP 3544</a>	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.	<a href="#">Electricity Plus Supply</a>	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 ...



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



**Break**

**Any Questions?**

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



# 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?**

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#CACoP**



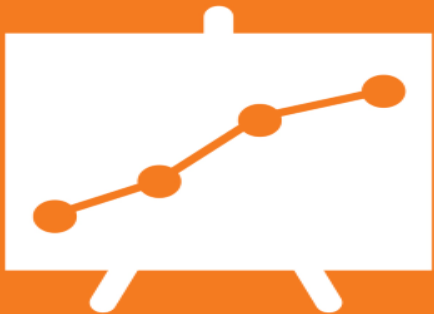
# Energy Code Review

David Hall, Head of Industry Codes, Ofgem

# Energy Codes Review

16 July 2019

David Hall



- November 2018 announced our joint review of Energy Codes
  - Scope and challenges with current framework
- Engagement with stakeholders to develop thinking
  - February workshop
- Developing options for reforms, aimed at:
  - Enhanced strategic direction, empowered and independent code management and simpler more accessible codes



Our review has been looking at various aspects of codes, with the view to what we think a good framework should deliver:

### Purpose

- Forward-looking and in line with wider policy environment

### Content

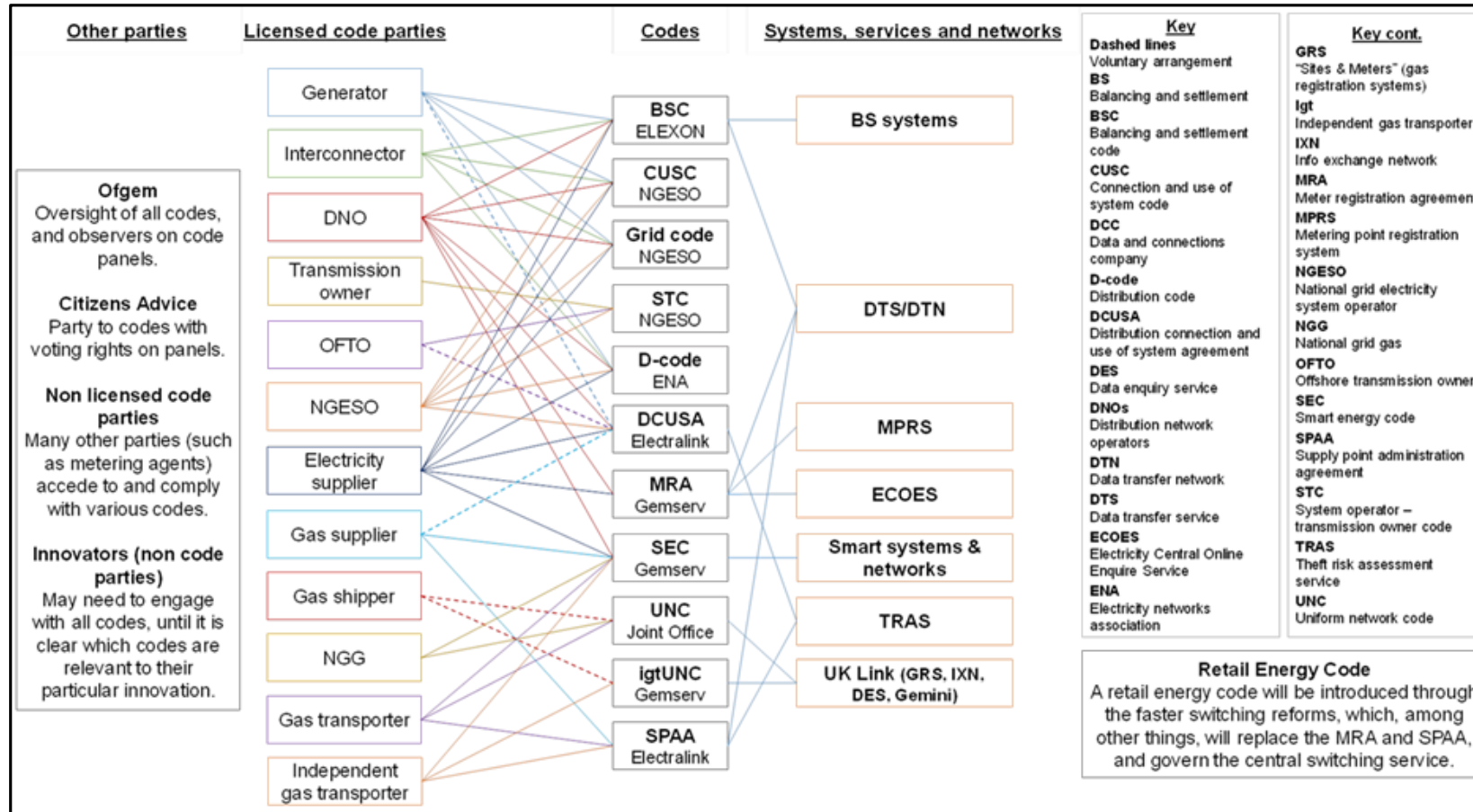
- Easy to identify and understand rules that apply to participants

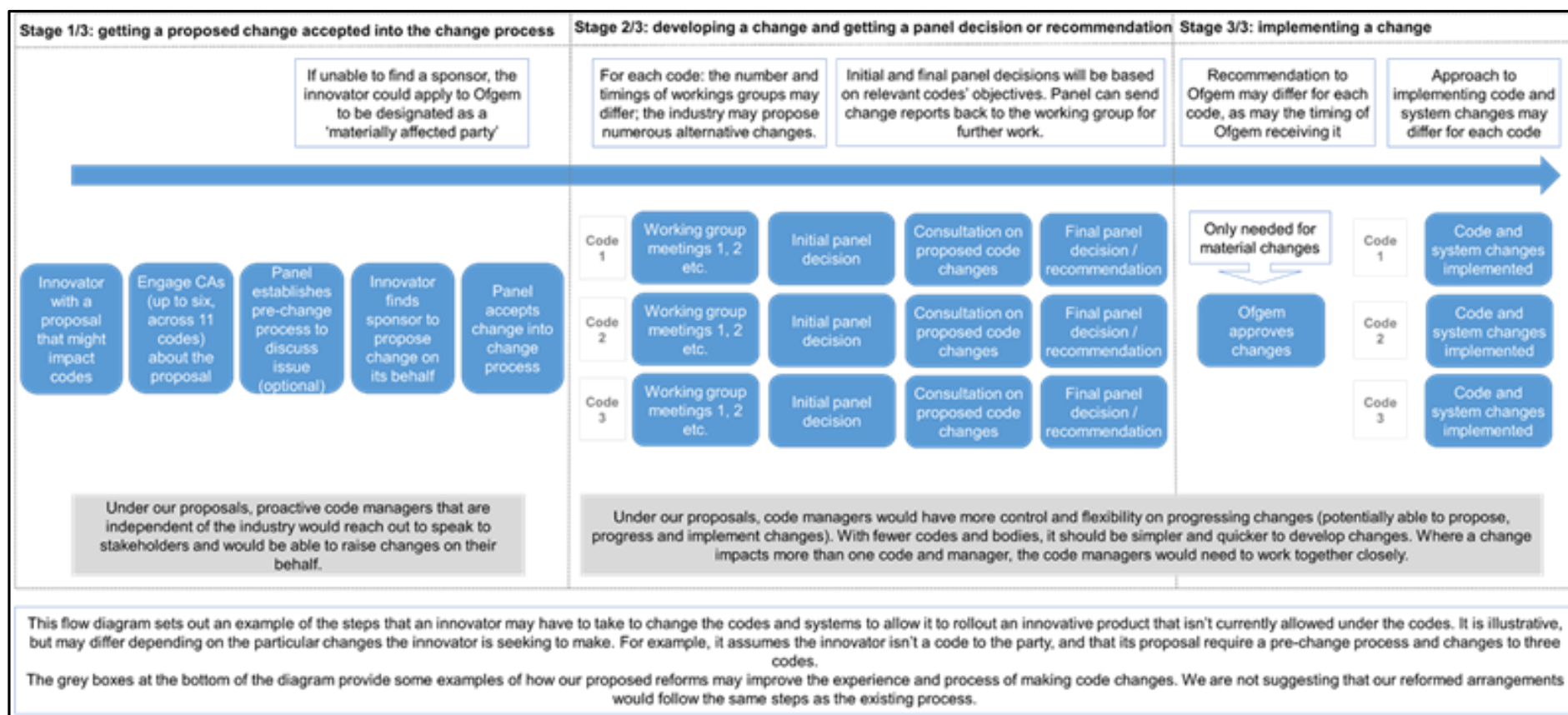
### Governance

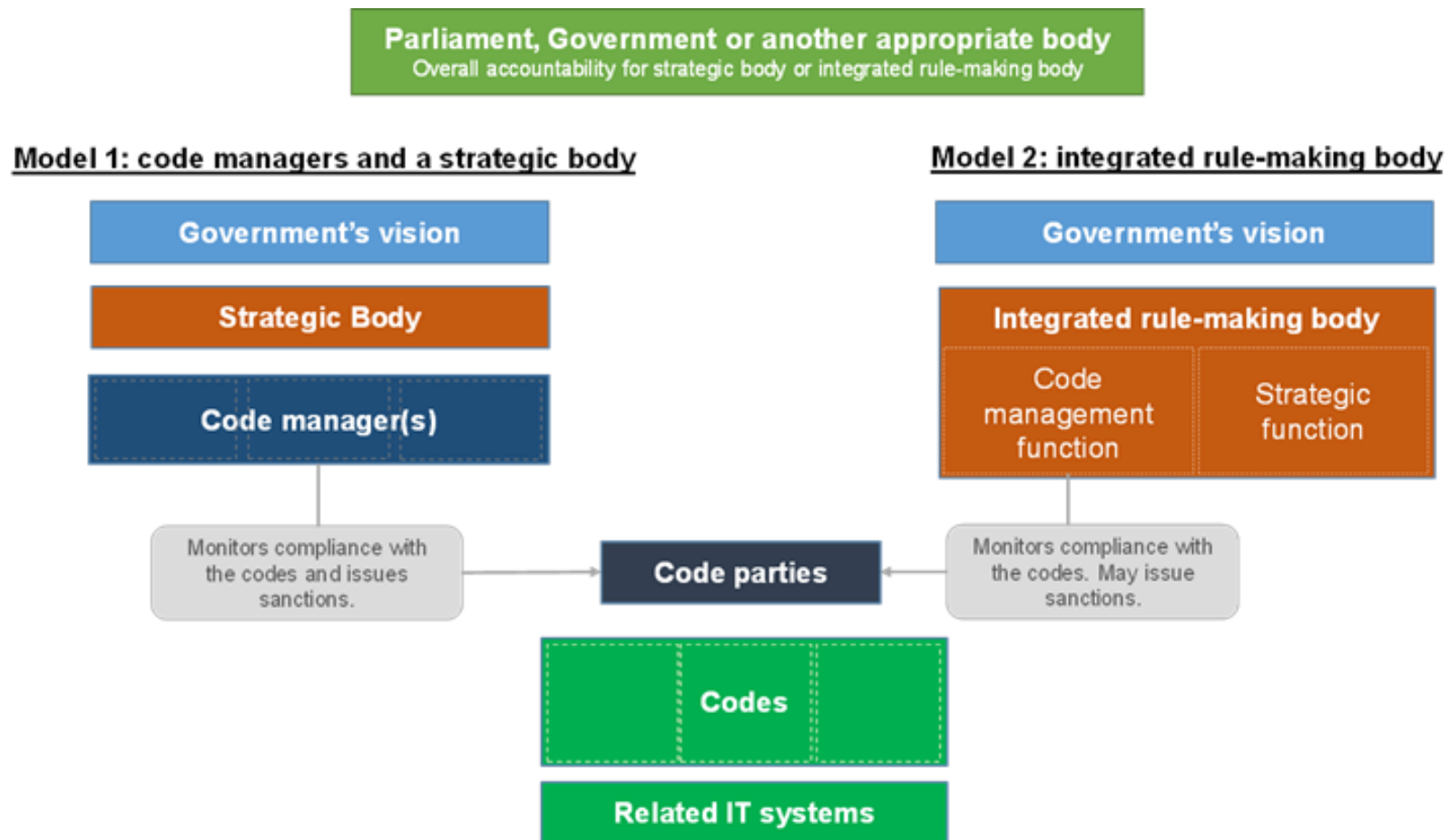
- Can accommodate growing and changing market, providing effective compliance

### Change process and transition

- Agile and responsive to change









## Questions and answers

Your opportunity to quiz us

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



## Conclusion and Summary

