CMP434 Implementing Connections Reform
CM095 Implementing Connections Reform

CMP435 Application of Gate 2 Criteria to existing contracted background
CM096 Application of Gate 2 Criteria to existing contracted background

Workgroup Meeting 1, 07 May 2024

Online Meeting via Teams

ESO

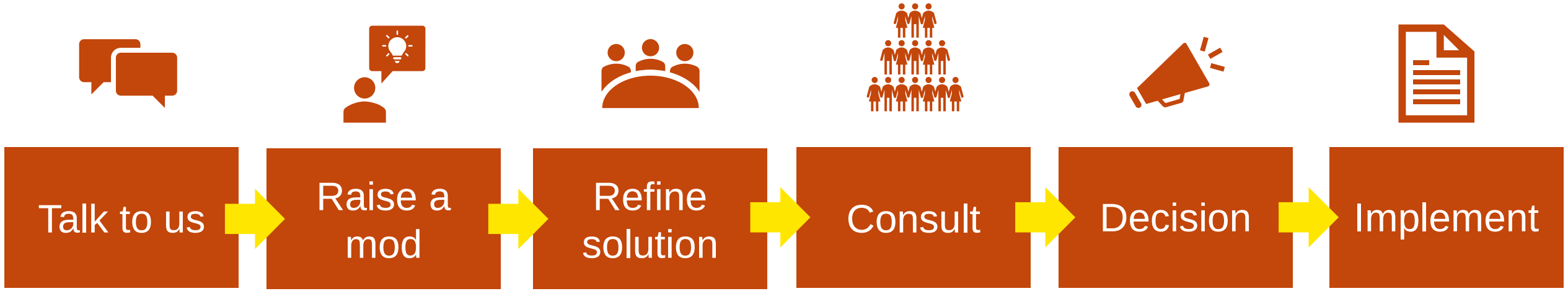
Agenda

Topics to be discussed	Lead
Introductions	Chair
Code Modification Process Overview • Ways of Working • Workgroup Responsibilities • Workgroup Alternatives and Workgroup Vote	Chair
Objectives and Timeline • Walk-through of the timeline for the modification	Chair
Review Terms of Reference	All
Proposers presentation	Proposers
Questions from Workgroup Members	All
Agree Terms of Reference	All
Cross Code Impacts	All
Any Other Business	Chair
Next Steps	Chair


WELCOME

Code Modification Process Overview

Milly Lewis – ESO Code Administrator



Forums

Panels

Workgroups
(Workgroup Consultations)

Ofgem/Panel

Refine solution
Workgroups

- If the proposed solution requires further input from industry in order to develop the solution, a Workgroup will be set up.

- The Workgroup will:
  - further refine the solution, in their discussions and by holding a **Workgroup Consultation**
  - Consider other solutions, and may raise **Alternative Modifications** to be considered alongside the Original Modification
  - Have a **Workgroup Vote** so views of the Workgroup members can be expressed in the Workgroup Report which is presented to Panel

Consult

Code Administrator Consultation

- The Code Administrator runs a consultation on the **final solution(s)**, to gather final views from industry before a decision is made on the modification.

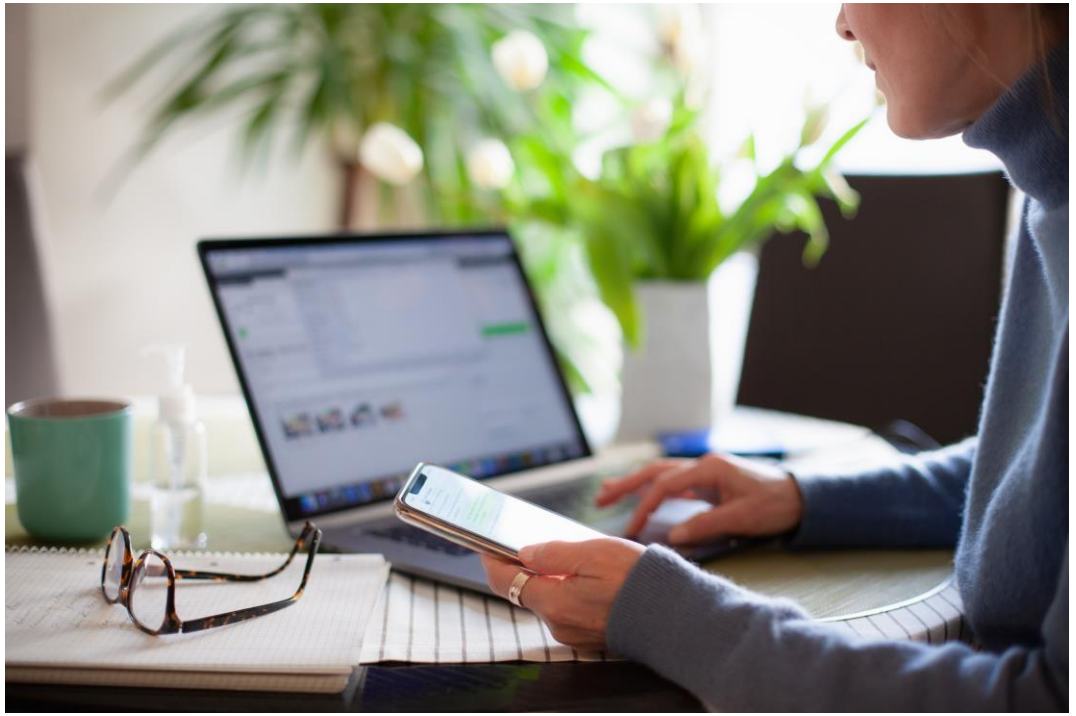
- After this, the modification report is voted on by Panel who also give their views on the solution.

Decision

- Dependent on the Governance Route that was decided by Panel when the modification was raised
- **Standard Governance:** Ofgem makes the decision on whether or not the modification is implemented
- **Self-Governance:** Panel makes the decision on whether or not the modification is implemented
  - an appeals window is opened for 15 days following the Final Self Governance Modification Report being published

Implement

- The Code Administrator implements the final change which was decided by the Panel / Ofgem on the agreed date.



Bespoke Ways of Working

- Collaboration space
  - This will be an area where we will share with Workgroup Members documentation which needs to be worked on together; it will include the action log and a queries log so that we can keep these reviews to a minimum during Workgroup meetings
- Workgroup members versus observers
  - Due to the size of membership only Workgroup members will have the ability to present, come off mic, and have access to the collaboration space
  - Observers will be able to watch Workgroup meetings
- 2 Workstreams across 2 separate codes
  - There will be both CUSC and STC Workgroup members in the meetings that are held; when there are topics which are purely one modification or the other this will be called out ahead of time
  - There are some variations in governance rules between the two codes and that will be made clear along the way
- Workgroup summaries
  - These will be short captions on agreed outputs and actions alone; the detail will be included into the Workgroup consultation (and subsequent Workgroup Report) which will be shared in the collaboration space, but may be password protected at times by the Chair
- Preparation and alternates
  - Due to the intense timeline we will operate on the basis that all alternates have been briefed accordingly so that debate can be focused on solution refinement (this includes Proposer's, Workgroup members and Code Administrator representatives)
- Exiting the day clean
  - Post the Workgroup meetings we will have a smaller session which will end no later than 16:55 for those members who have been allocated actions or next steps to ensure absolute clarity on the asks

Workgroup Responsibilities and Membership

Milly Lewis – ESO Code Administrator

Expectations of a Workgroup Member

- Contribute to the discussion
- Be respectful of each other's opinions
- Language and Conduct to be consistent with the values of equality and diversity
- Do not share commercially sensitive information
- Be prepared - Review Papers and Reports ahead of meetings
- Complete actions in a timely manner
- Keep to agreed scope
- Email communications to/cc'ing the .box email

Your Roles

- Help refine/develop the solution(s)
- Bring forward alternatives as early as possible
- Vote on whether or not to proceed with requests for Alternatives
- Vote on whether the solution(s) better facilitate the Code Objectives

CMP434 - Implementing Connections Reform Workgroup Proposed Membership

Code Administrator Modification Chair: Claire Goult
Code Administrator Technical Secretary: Stuart McLarnon

Code Modification Page
Code Governance Rules

Role	Name	Company	Industry Sector
Proposer	Joe Henry	ESO	System Operator
Workgroup Member	Alex Ikonic	Orsted	Generator
Workgroup Member	Barney Cowin	Statkraft	Generator
Workgroup Member	Bill Scott	Eclipse Power Networks	Network Operator
Workgroup Member	Brian Hoy*	Electricty North West Limited (ENWL)	Network Operator
Workgroup Member	Callum Dell	Invenergy	Generator
Workgroup Member	Charles Edward Cresswell*	Cero Generation	Generator
Workgroup Member	Claire Hynes	RWE Renewables	Generator
Workgroup Member	Deborah MacPherson	Scottish Power Renewables	Generator
Workgroup Member	Ed Birkett	Low Carbon	Generator
Workgroup Member	Garth Graham	SSE Generation	Generator
Workgroup Member	Grant Rogers	Qualitas Energy	Generator
Workgroup Member	Greg Stevenson	SSEN Transmisson (SHET)	Onshore Transmission Licensee
Workgroup Member	Helen Snodin	Fred Olsen Seawind	Generator
Workgroup Member	Helen Stack	Centrica	Generator
Workgroup Member	Hooman Andami	Elmya Energy	Generator
Workgroup Member	Joe Colebrook	Innova Renewables	Generator

CMP434 - Implementing Connections Reform Workgroup Proposed Membership

Code Administrator Modification Chair: Claire Goult
Code Administrator Technical Secretary: Stuart McLarnon

Code Modification Page
Code Governance Rules

Role	Name	Company	Industry Sector
Workgroup Member	Kyran Hanks	WWA Ltd	Panel Member
Workgroup Member	Luke Scott	Northern Powergrid	Network Operator
Workgroup Member	Paul Jones	Uniper	Generator
Workgroup Member	Paul Youngman	Drax	Central service for generation and supplier licences
Workgroup Member	Pedro Javier Rodriguez Delgado	Lightsourcebp	Generator
Workgroup Member	Phillip Addison	EDF Renewables	Generator
Workgroup Member	Magdalena Paluch*	NGED	Network Operator
Workgroup Member	Mark Field	Sembcorp Energy (UK) Limited	Legal, Regulation and Compliance
Workgroup Member	Michelle MacDonald Sandison	SSEN	Network Operator
Workgroup Member	Niall Stuart	Hutcheson Associates (Nominated on behalf of Buchan Offshore Wind)	Consultancy
Workgroup Member	Ravinder Shan	FRV TH Powertek Limited	Generator
Workgroup Member	Richard Woodward	NGET	Onshore Transmission Licensee
Workgroup Member	Rob Smith	Enso Energy	Generator
Workgroup Member	Sam Aitchison	Island Green Power	Developer
Workgroup Member	Simon Lord	ENGIE	Generator

CMP434 - Implementing Connections Reform Workgroup Proposed Membership

Code Administrator Modification Chair: Claire Goult
Code Administrator Technical Secretary: Stuart McLarnon

Code Modification Page
Code Governance Rules

Role	Name	Company	Industry Sector
Workgroup Member	Wendy Mantle	Scottish Power Energy Networks	Network Operator
Workgroup Member	Zivanayi Musanhi	UK Power Networks	Network Operator
Authority Representative	Lee Wilkinson / Rory Fulton	Ofgem	

Observers

Role	Name	Company	Industry Sector
Observer	Anthony Cotton	Energy Technical & Renewable Services Ltd	Other
Observer	Barnaby Wharton	RenewableUK	Trade association - representing generators
Observer	Gillian Hilton	SSE Group	Network, Supplier and Generator
Observer	Jeremy Sainsbury	Fred Olsen Renewables	Generator
Observer	Kirill Glukhovskoy	AQUIND Limited	Interconnector Licensee
Observer	Kyle Smith	Energy Networks Association	Other - Trade Association
Observer	Loukas Papageorgiou	RWE	Generator
Observer	Matt Predescu	Eclipse Power Solutions	Network Operator
Observer	Max Forshaw	Octopus Energy Group	Generator
Observer	Sarah Graham	Ocean Winds	Generator
Observer	Graz Macdonald	Waters Wye & Associates	Consultant
Observer	Ahmed Dabb	Aurapower/Solar & Bess Developers	Unknown

CM095 - Implementing Connections Reform Proposed Workgroup Membership

Code Administrator Modification Chair: Lizzie Timmins
Code Administrator Technical Secretary: Andrew Hemus

Code Modification Page
Code Governance Rules

Role	Name	Company	Industry Sector
Proposer	Graham Lear	ESO	System Operator
Workgroup Member	Allan Love	Scottish Power Transmission	Onshore Transmission Licensee
Workgroup Member	Claire Hynes	RWE Renewables	Generator
Workgroup Member	Garth Graham	SSE Generation	Generator
Workgroup Member	Greg Stevenson	SSEN Transmission (SHET)	Onshore Transmission Licensee
Workgroup Member	Helen Snodin	Fred Olsen Seawind	Generator
Workgroup Member	Joe Colebrook	Innova Renewables	Generator
Workgroup Member	Kyran Hanks	WWA Ltd	Other / Consultant
Workgroup Member	Paul Jones	Uniper	Generator
Workgroup Member	Richard Woodward	NGET	Onshore Transmission Licensee
Authority Representative	Lee Wilkinson / Rory Fulton	Ofgem	-

Observers

Role	Name	Company	Industry Sector
Observer	Jeremy Sainsbury	Fred Olsen Renewables	Generator
Observer	Joel Mattthews	DTC	Offshore Transmission Licensee

CMP435 - Application of Gate 2 Criteria to existing contracted background Workgroup Membership

Code Administrator Modification Chair: Elana Byrne
Code Administrator Technical Secretary: Tammy Meek

Code Modification Page
Code Governance Rules

Role	Name	Company	Industry Sector
Proposer	Alice Taylor	ESO	System Operator
Workgroup Member	Deborah MacPherson	Scottish Power Renewables	Generator
Workgroup Member	Garth Graham	SSE Generation	Generator
Workgroup Member	Claire Hynes	RWE Renewables	Generator
Workgroup Member	Paul Youngman	Drax	Central resource across Generation and supplier businesses
Workgroup Member	Greg Stevenson	SSEN Transmission (SHET)	Onshore Transmission Licensee
Workgroup Member	Michelle MacDonald Sandison	SSEN	Network Operator
Workgroup Member	Richard Woodward	NGET	Onshore Transmission Licensee
Workgroup Member	Kyran Hanks	WWA Ltd	CUSC Panel Member
Workgroup Member	Sam Aitchison	Island Green Power	Developer
Workgroup Member	Callum Dell	Invenergy	Generator
Workgroup Member	Rob Smith	Enso Energy	Generator
Workgroup Member	Mark Field	Sembcorp Energy (UK) Limited	Legal, Regulation and Compliance
Workgroup Member	Wendy Mantle	Scottish Power Energy Networks	Network Operator
Workgroup Member	Samuel Railton	Centrica	Generator
Workgroup Member	Barney Cowin	Statkraft	Generator
Workgroup Member	Charles Deacon	Eclipse Power Solutions	Network Operator

CMP435 - Application of Gate 2 Criteria to existing contracted background Workgroup Membership

Code Administrator Modification Chair: Elana Byrne
Code Administrator Technical Secretary: Tammy Meek

Code Modification Page
Code Governance Rules

Role	Name	Company	Industry Sector
Workgroup Member	Luke Scott	Northern Powergrid	Network Operator
Workgroup Member	Joe Colebrook	Innova Renewables	Generator
Workgroup Member	Jack Purchase	NGED	Network Operator
Workgroup Member	Charles Edward Cresswell*	Cero Generation	Generator
Workgroup Member	Hooman Andami	Elmya Energy	Generator
Workgroup Member	Helen Snodin	Fred Olsen Seawind	Generator
Workgroup Member	Ravinder Shan	FRV TH Powertek Limited	Generator
Workgroup Member	Steffan Jones	Electricity North West Limited (ENWL)	Network Operator
Workgroup Member	Jonathon Lee Hoggarth	EDF Renewables Ltd	Generator
Workgroup Member	Paul Jones	Uniper	Generator
Workgroup Member	Pedro Javier Rodriguez	Lightsourcebp	Generator
Workgroup Member	James Devriendt	UK Power Networks	Network Operator
Workgroup Member	Ed Birkett	Low Carbon	Generator
Authority Representative	Liam Cullen / Salvatore Zingale	Ofgem	-

CMP435 - Application of Gate 2 Criteria to existing contracted background

Code Administrator Modification Chair: Elana Byrne
Code Administrator Technical Secretary: Tammy Meek

Code Modification Page
Code Governance Rules

Observers

Role	Name	Company	Industry Sector
Observer	Matt Predescu	Eclipse Power Solutions	Network Operator
Observer	Jeremy Sainsbury	Fred Olsen Renewables	Generator
Observer	Barnaby Wharton	RenewableUK	Generator - trade association representing
Observer	Anthony Cotton	Energy Technical & Renewable Services Ltd	Other - not disclosed
Observer	Kyle Smith	Energy Networks Association	Other - trade association
Observer	Kirill Glukhovskoy	AQUIND Limited	Other - Interconnector Licensee
Observer	Aaron Priest	Ocean Winds	Generator
Observer	Alex Ikonic	Orsted	Generator
Observer	Karen Gold	Natural Power	Generator
Observer	Loukas Papageorgiou	RWE	Generator
Observer	Gillian Hilton	SSE Group	Network Operator, Supplier and Generator
Observer	Graz Macdonald	Waters Wye & Associates	Consultant
Observer	Ahmed Dabb	Aurapower/Solar & Bess Developers	Unknown

CM096 - Application of Gate 2 Criteria to existing contracted background Workgroup Membership

Code Administrator Modification Chair: Teri Puddefoot
Code Administrator Technical Secretary: Prisca Evans

Code Modification Page
Code Governance Rules

Role	Name	Company	Industry Sector
Proposer	Stephen Baker	ESO	System Operator
Workgroup Member	Claire Hynes	RWE Renewables	Generator
Workgroup Member	Gareth Williams	Scottish Power Transmission	Onshore Transmission Licensee
Workgroup Member	Garth Graham	SSE Generation	Generator
Workgroup Member	Grant Rogers	Qualitas Energy	Generator
Workgroup Member	Greg Stevenson	SSEN Transmission (SHET)	Onshore Transmission Licensee
Workgroup Member	Helen Snodin	Fred Olsen Seawind	Generator
Workgroup Member	Joe Colebrook	Innova Renewables	Generator
Workgroup Member	Kyran Hanks	WWA Ltd	Other / Consultant
Workgroup Member	Paul Jones	Uniper	Generator
Workgroup Member	Richard Woodward	NGET	Onshore Transmission Licensee
Workgroup Member	Sam Aitchison	Island Green Power	Developer
Authority Representative	Liam Cullen /Salvatore Zingale	Ofgem	-

Observers

Role	Name	Company	Industry Sector
Observer	Jeremy Sainsbury	Fred Olsen Renewables	Generator
Observer	Joel Matthews	DTC	Offshore Transmission Licensee
Observer	Loukas Papageorgiou	RWE	Generator

Proposed Workgroup Members

	CMP434	CM095	CMP435	CM096	
Richard Woodward	X	X	X	X	4
Kyran Hanks	X	X	X	X	4
Helen Snodin	X	X	X	X	4
Claire Hynes	X	X	X	X	4
Paul Jones	X	X	X	X	4
Garth Graham	X	X	X	X	4
Greg Stevenson	X	X	X	X	4
Joe Colebrook	X	X	X	X	4
Sam Aitchison	X		X	X	3
Pedro Javier Rodriguez	X		X		2
Michelle MacDonald Sandison	X		X		2
Deborah MacPherson	X		X		2
Charles Edward Cresswell	X		X		2
Ed Birkett	X		X		2
Mark Field	X		X		2
Barney Cowin	X		X		2
Paul Youngman	X		X		2
Ravinder Shan	X		X		2
Hooman Andami	X		X		2
Rob Smith	X		X		2
Wendy Mantle	X		X		2
Luke Scott	X		X		2
Callum Dell	X		X		2
Grant Rogers	X			X	2
Zivanayi Musanhi	X				1
Magdalena Paluch	X				1
Helen Stack	X				1
Brian Hoy	X				1
Simon Lord	X				1
Alex Ikonic	X				1
Niall Stuart	X				1
Bill Scott	X				1
Phillip Addison	X				1
Allan Love		X			1
Steffan Jones			X		1
Jonathon Lee Hoggarth			X		1
Samuel Railton			X		1
Charles Deacon			X		1
Jack Purchase			X		1
James Devriendt			X		1
Gareth Williams				X	1
	33	9	29	11	82

Observers

	CMP434	CM095	CMP435	CM096	
Loukas Papageorgiou	X		X	X	3
Jeremy Sainsbury	X	X		X	3
Barnaby Wharton	X		X		2
Kyle Smith	X		X		2
Kirill Glukhovskoy	X		X		2
Matt Predescu	X		X		2
Gillian Hilton	X		X		2
Anthony Cotton	X		X		2
Joel Mattthews		X		X	2
Alex Ikonic			X		1
Jeremy Sainsbury			X		1
Aaron Priest			X		1
Sarah Graham	X				1
Max Forshaw	X				1
Karen Gold			X		1
Graz Macdonald	X		X		2
Ahmed Dabb	X		X		2
	12	2	13	3	30

Workgroup Alternatives and Workgroup Vote

Milly Lewis – ESO Code Administrator

Can I vote? and What is the Alternative Vote?

To participate in any votes, Workgroup members need to have attended at least 50% of meetings. The vote shall be decided by simple majority of those present at the meeting at which the vote takes place (whether in person or by teleconference)

Stage 1 – Alternative Vote

- Vote on whether Workgroup Alternative Requests should become Workgroup Alternative CUSC or a Workgroup Alternative CUSC STC Modifications.

- The Alternative vote is carried out to identify the level of Workgroup support there is for any potential alternative options that have been brought forward by either any member of the Workgroup OR an Industry Participant as part of the Workgroup Consultation.

- Should the majority of the Workgroup OR the Chair believe that the potential alternative solution may better facilitate the CUSC applicable objectives (CMP434 or CMP435) or the STC applicable objectives (CM095 or CM096) than the Original then the potential alternative will be fully developed by the Workgroup with legal text to form a Workgroup Alternative CUSC modification (WACM) within CMP434 or CMP435; or a Workgroup Alternative STC modification (WASTM) within CM095 or CM096 and submitted to the relevant Panel and the Authority alongside the Original solution for the relevant Panel Recommendation vote and the Authority decision.

Can I vote? and What is the Workgroup Vote?

To participate in any votes, Workgroup members need to have attended at least 50% of meetings. The vote shall be decided by simple majority of those present at the meeting at which the vote takes place (whether in person or by teleconference)

Stage 2 – Workgroup Vote

- 2a) Assess the original and Workgroup Alternative (if there are any) against the relevant Applicable Objectives compared to the baseline (the current code)
- 2b) Vote on which of the options is best.

Objectives and Timeline – ICR Workgroup Meetings

Milly Lewis – ESO Code Administrator

Timeline for CMP434 and CM095 as at 02 May 2024

Milestone	Date	Milestone	Date
Workgroup Nominations (4 Business Days)	26 April 2024 to 02 May 2024	Code Administrator Consultation (9 Business Days)	19 August 2024 to 02 September 2024
Ofgem grant Urgency	01 May 2024(5pm)	Draft Final Modification Report (DFMR) issued to Panel (3 Business Days)	09 September 2024
Assuming Ofgem have granted Urgency Workgroup meetings 1 - 10	07 May 2024 14 May 2024 16 May 2024 22 May 2024 28 May 2024 05 June 2024 11 June 2024 13 June 2024 18 June 2024 20 June 2024	Panel undertake DFMR recommendation vote (Special Panel)	13 September 2024 (by 2pm)
Workgroup Consultation (8 Business Days)	25 June 2024 – 05 July 2024	Final Modification Report issued to Panel to check votes recorded correctly	13 September 2024 (by 4pm)
Workgroup meeting 11 - 15	16 July 2024 18 July 2024 24 July 2024 30 July 2024 06 August 2024	Final Modification Report issued to Ofgem	13 September 2024 (by 5pm)
Workgroup report issued to Panel (2 Business Days)	13 August 2024	Ofgem decision (11 Business Days)	06 November 2024
Special Panel sign off that Workgroup Report has met its Terms of Reference	16 August 2024	Implementation Date	01 January 2025

Outline of Workgroup(s) Meeting Topics

WG meeting 1	• Set the scene, ToR, timeline, ways of working, context -why connections reform, what are the issues and solutions, what is and isn't scope, cross code impacts, who is impacted and how?
WG meeting 2	• Clarifying which projects go through the primary process. • Clarifying any deviations from primary process e.g. for certain technologies.
WG meeting 3 and WG meeting 4	• Introducing an annual application window and two formal gates, which are known as Gate 1 and Gate 2 (i.e. the primary process). • Setting out the process and criteria in relation to Application Windows and Gate 1, including introducing an offshore Letter of Authority as an application window entry requirement for offshore projects • Changing the offer and acceptance timescales to align with the primary process timescales (e.g. a move away from three months for licenced offers). • Introducing the concept of a Distribution Forecasted Transmission Capacity (DFTC) submission process for Distribution Network Operator's (DNOs) to forecast capacity on an anticipatory basis for Relevant Embedded Small Power Stations or Relevant Embedded Medium Power Stations in the Application Window. • Changing ESO's connection offer timescales to align with the primary process timescales (i.e. a move away from three months for making licenced offers). • Introducing the concept of a Connections Network Design Methodology (the content and any approvals of this to be covered outside the Code Modification process).

WG meetings 5 to 8	• Setting out the criteria for demonstrating Gate 2 has been achieved and setting out the obligations imposed once Gate 2 has been achieved.
	  • Incorporate necessary amendments ofM1 and M3 Queue Management Milestones in relation to projects which have met the Gate 2 criteria.
	  • For Letter of Authority:
	  • Setting out what are allowable amendments to red line boundaries once Gate 2 has been achieved; and
	  • The introduction of Duplication Checks on Gate 2 projects.
	• Setting out the general arrangements in relation to Gate 2
	• Changing the offer and acceptance timescales to align with the primary process timescales (e.g. a move away from three months for licenced offers).
	• Set out the process for how DNOs notify the ESO of Relevant Embedded Small Power Stations or Relevant Embedded Medium Power Stations which meet Gate 2 criteria.

WG meeting 9 and WG meeting 10	• Implementation approach • Identify which STCPs will change (STC only) • Identify which sections of legal text will change (Separate CUSC and STC) • Finalise WG Consultation (Separate CUSC and STC)
WG meeting 11	• Assess WG Consultation responses, discuss new points • Discuss potential alternatives and agree who develops these
WG meeting 12 and WG meeting 13	• Finalise WG Alternatives (CUSC 1st then reflect in STC) • Legal Text (Separate CUSC and STC)
WG meeting 14	• Finalise Legal Text (Separate CUSC and STC) • WG Alternative Vote (Separate CUSC and STC) • This is where we are re: Alternatives (Separate CUSC and STC)
WG meeting 15	• Workgroup Report (Separate CUSC and STC) • Workgroup Vote (Separate CUSC and STC)

Objectives and Timeline – Gate 2 Workgroup Meetings

Milly Lewis – ESO Code Administrator

Timeline for CMP435 and CM096 as at 02 May 2024

Milestone	Date	Milestone	Date
Workgroup Nominations (4 Business Days)	26 April 2024 to 02 May 2024	Code Administrator Consultation (9 Business Days)	19 August 2024 to 02 September 2024
Ofgem grant Urgency	01 May 2024(5pm)	Draft Final Modification Report (DFMR) issued to Panel (3 Business Days)	09 September 2024
Assuming Ofgem have granted Urgency Workgroup meetings 1 - 6	07 May 2024 15 May 2024 23 May 2024 29 May 2024 04 June 2024 12 June 2024	Panel undertake DFMR recommendation vote (Special Panel)	13 September 2024 (by 2pm)
Workgroup Consultation (8 Business Days)	25 June 2024 – 05 July 2024	Final Modification Report issued to Panel to check votes recorded correctly	13 September 2024 (by 4pm)
Workgroup meeting 7 - 11	16 July 2024 19 July 2024 23 July 2024 31 July 2024 06 August 2024	Final Modification Report issued to Ofgem	13 September 2024 (by 5pm)
Workgroup report issued to Panel (2 Business Days)	13 August 2024	Ofgem decision	06 November 2024
Special Panel sign off that Workgroup Report has met its Terms of Reference	16 August 2024	Implementation Date	01 January 2025

Outline of Workgroup(s) Meeting Topics

WG meeting 1	• Set the scene, ToR, timeline, ways of working, context -why connections reform, what are the issues and solutions, what is and isn't scope, cross code impacts, who is impacted and how?
WG meeting 2 and WG meeting 3	• Extending the Gate 2 concept to apply to existing connection contracts (from planned for Go-Live Date of 1 January 2025). • Changes to the contractual arrangements for those existing contracted parties that have not met the Gate 2 criteria by the Go-Live Date of 1 January 2025. • Implementation approach.
WG meeting 4 and WG meeting 5	• Identify which sections of legal text will change (Separate CUSC and STC) • Finalise WG Consultation (Separate CUSC and STC)
WG meeting 6	• Assess WG Consultation responses, discuss new points • Discuss potential alternatives and agree who develops these
WG meeting 7 and WG meeting 8	• Finalise WG Alternatives (CUSC 1st then reflect in STC) • Legal Text (Separate CUSC and STC)
WG meeting 9	• Finalise Legal Text (Separate CUSC and STC) • WG Alternative Vote (Separate CUSC and STC) • This is where we are re: Alternatives (Separate CUSC and STC)
WG meeting 10	• Workgroup Report (Separate CUSC and STC) • Workgroup Vote (Separate CUSC and STC)


TIME FOR A
BREAK

Review Terms of Reference

Milly Lewis – ESO Code Administrator

Terms of Reference – CMP434 Implementing Connections Reform

Workgroup Term of Reference	
A	Consider EBR implications.
B	Consider the scope of work identified and whether this is achievable within the timeframe outlined in the Ofgem Urgency decision letter.
C	Consider how to introduce an annual application window and two formal gates, which are known as Gate 1 and Gate 2 (i.e. the primary process).
D	Consider which projects go through the primary process.
E	Consider any deviations from primary process e.g. for certain technologies.
F	Consider the process and criteria in relation to Application Windows and Gate 1, including introducing an offshore Letter of Authority equivalent as an application window entry requirement for offshore projects.
G	Consider the criteria for demonstrating Gate 2 has been achieved and setting out the obligations imposed once Gate 2 has been achieved.
H	Consider updating the LoA process.
I	Consider the general arrangements in relation to Gate 2.
J	Consider changing the offer and acceptance timescales to align with the primary process timescales (e.g. a move away from three months for making licenced offers).
K	Consider introducing the concept of a Connections Network Design Methodology (the content and any approvals of this to be covered outside Code Modification process).
L	Consider introducing the concept of a Distribution Forecasted Transmission Capacity (DFTC) submission process for Distribution Network Operator's (DNOs) to forecast capacity on an anticipatory basis for Relevant Embedded Small Power Stations or Relevant Embedded Medium Power Stations in the Application Window.
M	Consider the process for how DNOs notify the ESO of Relevant Embedded Small Power Stations or Relevant Embedded Medium Power Stations which meet Gate 2 criteria.
N	Consider the application of the User Commitment methodology to projects in Gate 1 and Gate 2 and how the changes will be implemented to align with the 6 monthly User Commitment cycle.
O	Consider how a harmonised GB approach to DFTC application can be achieved and consider how DFTC will interact with existing processes between DNOs and NESO including Technical (planning) Limits and Project Progression.
P	Consider how any new financial instruments associated with connections are cost reflective and predictable.
Q	Consider how the solution(s) conforms with the statutory rights with respect to terms and conditions for connection.
R	Consider how to ensure that the NESO designation of Gate 2 status is not discriminatory.
S	Consider what criteria will apply to the NESO designation of Gate 2 status.
T	Consider the relevant content of Annex B of the Open letter on connections reform publication.

Terms of Reference – CM095 Implementing Connections Reform

Workgroup Term of Reference	
A	Implementation
B	Review and support the legal text drafting;
C	Ensure the appropriate Industry experts or stakeholders are engaged in the Workgroup to ensure that all potentially affected stakeholders have the opportunity to be represented in the Workgroup
D	The cross Code impacts this modification has, in particular the CUSC and distribution arrangements (e.g. DCUSA)
E	Consider potential licence changes which may be required, liaising with the Authority as required to discuss them.
F	Confirm the scope of application for the proposed solution by technology/project type, including any acceptable criteria for any exclusions or alternative approaches which may be needed.
G	Ensure adequate whole system consideration of the proposed solution.
H	Ensure the accessibility and transparency of new processes for Users as much as possible, particularly new entrants. Where additional clarity may be required, consider the need for any supporting guidance to be produced.
I	Briefly consider any future policy development which may be beneficial to enhance the proposed ‘minimum viable product’ solutions.

Terms of Reference – CMP435 Application of Gate 2 Criteria to existing contracted background

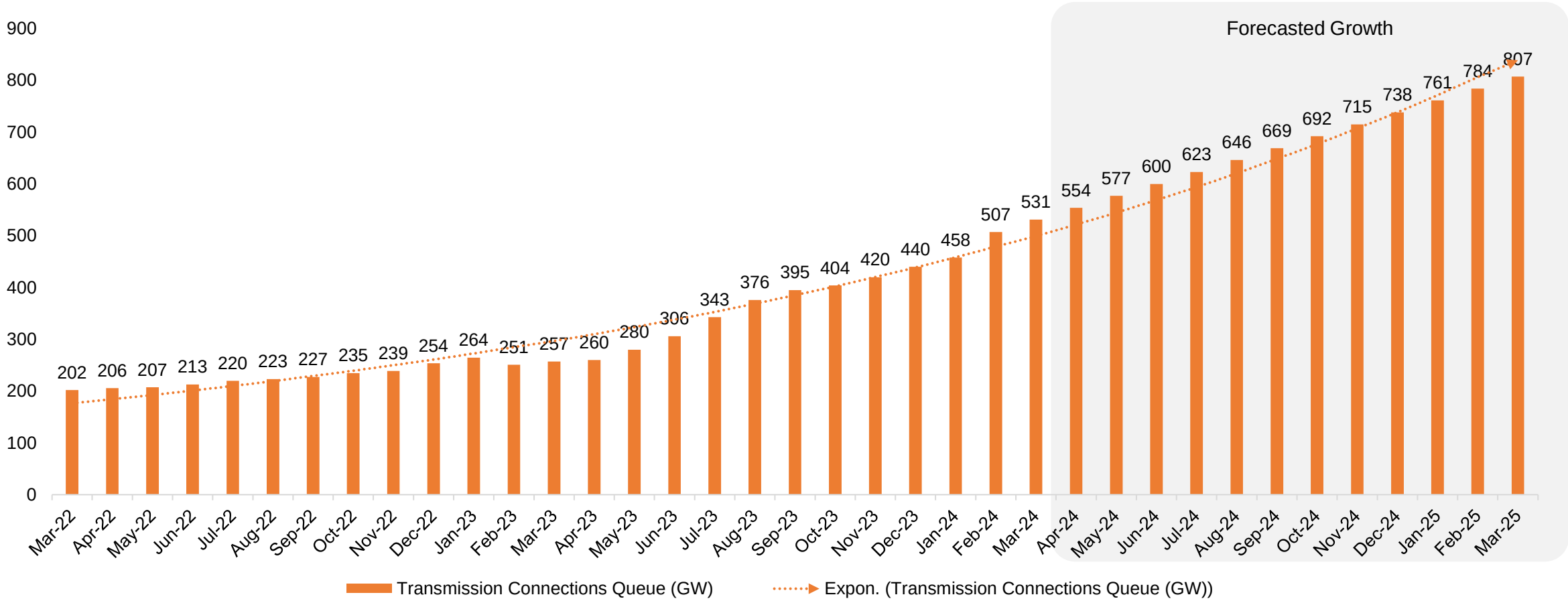
Workgroup Term of Reference	
A	Consider EBR implications.
B	Consider the scope of work identified and whether this is achievable within the timeframe outlined in the Ofgem Urgency decision letter.
C	Consider extending the Gate 2 concept to apply to existing connection contracts.
D	Consider changes to the contractual arrangements for those existing contracted parties that have not met the Gate 2 criteria by the Go-Live Date of 1 January 2025.
E	Review the transitional arrangements in relation to changes to the contractual arrangements.
F	Consider the application of the User Commitment methodology to projects in Gate 1 and Gate 2 and the transitional arrangements that may be required for existing connections.
G	Consider how any new financial instruments associated with connections are cost reflective and predictable.
H	Consider how the solution(s) conforms with the statutory rights with respect to terms and conditions for connection.
I	Consider how to ensure that the NESO designation of Gate 2 status is not discriminatory.
J	Consider what criteria will apply to the NESO designation of Gate 2 status.
K	Consider the relevant content of Annex B of the Open letter on connections reform publication.

Terms of Reference – CM096 Application of Gate 2 Criteria to existing contracted background

Workgroup Term of Reference	
A	Implementation
B	Review and support the legal text drafting;
C	Ensure the appropriate Industry experts or stakeholders are engaged in the Workgroup to ensure that all potentially affected stakeholders have the opportunity to be represented in the Workgroup
D	The cross Code impacts this modification has, in particular the CUSC and distribution arrangements (e.g. DCUSA)
E	Consider potential licence changes which may be required, liaising with The Authority as required to discuss them.
F	Confirm the scope of application for the proposed solution by technology/project type, including any acceptable criteria for any exclusions or alternative approaches which may be needed
G	Ensure adequate whole system consideration of the proposed solution
H	Consider extending the Gate 2 concept to apply to existing connection contracts
I	Consider changes to the contractual arrangements for those existing contracted parties that have not met the Gate 2 criteria by the Go-Live Date of 1 January 2025
J	Consider the transitional arrangements in relation to changes to the contractual arrangements

Proposer’s Presentations

Transmission Queue: Recent and Forecasted Growth



Assumptions/ Notes

- This chart only covers transmission-connected projects as we do not have the granular data from DNOs
- This chart forecasts queue growth for transmissions connections (this does not include demand that is directly connected to the transmission network)
- When forecasting transmission queue growth, an average increase of 23GW per month has been applied effective from April 2024
- This average represents the steep incline of queue growth over the last 6 months (October 2023 to March 2024)
- 807GW is the transmission queue figure forecasted for Reform, this does not factor in barriers to entry/ progression e.g. Queue Management, LOA etc.

CMP434 - Implementing Connections Reform

Proposer's Solution: Background; Proposed Solution; Scope; and Assessment vs Terms of Reference

Joe Henry– ESO

Implementing Connections Reform

Context

The current connections process is not enabling the timely connection of projects to meet net zero.

A wholesale revision is needed to the connections process to meet those targets and the needs of project developers and consumers.

This proposal introduces new processes and definitions that will update the existing processes and enable projects that are most ready to progress more rapidly to connection.

The ESO will seek to raise this modification on an Urgent Basis to expedite the process, to enable implementation for 1st January 2025

What does the modification propose (1)?

- The current connections process is not enabling the timely connection of projects to meet net zero. A wholesale revision is needed to the connections process to meet those targets and the needs of project developers and consumers. This proposal introduces new processes and definitions that will update the existing processes and enable projects that are most ready to connect more efficiently.

- Desired Outcome: Connections reforms delivered with a high degree of confidence in quality, pace, ambition and coordination of reform delivery, ensuring greater and faster impact of connection reform in reducing connection times as well as lower system and/or connection costs.

- These reforms are to be delivered by January 2025, as expressed by Ofgem and DESNZ in the Connections Action Plan (November 2023).

What does the modification propose (2)?

- The issue we are now seeking to resolve with this code modification as part of Phase 3 (detailed process design and implementation) of our GB Connections Reform project is to update the current and relevant codified aspects of the connection process (assuming the necessary corresponding licence changes are undertaken by Ofgem in due course), to align with our recommendations for a reformed connections process.

MVP Scope/Solution (1)

Element	Description
Introducing an annual application window and two formal gates, which are known as Gate 1 and Gate 2 (i.e. the primary process).	New connections process based on an annual application window and two formal gates
Clarifying which projects go through the primary process.	New Directly Connected Generation, New Directly Connected Demand, New Interconnectors (and Offshore Hybrid Assets), New Relevant Embedded Small Power Stations (via the DNO), New Relevant Embedded Medium Power Stations (via the DNO), New Embedded Large Power Stations and any significant Modification Applications in relation to such projects
Clarifying any deviations from primary process e.g. for certain technologies.	Giving certainty to industry as to where process differs for certain Customer groups
Setting out the process and criteria in relation to Application Windows and Gate 1, including introducing an offshore Letter of Authority equivalent as an application window entry requirement for offshore projects	For any projects which need to go through the annual application window (as above) the developers of those projects will only be able to submit their applications within January and February each year (assuming a 1 January go-live date)
Setting out the criteria for demonstrating Gate 2 has been achieved and setting out the obligations imposed once Gate 2 has been achieved.	Ensuring clarity in how Gate 2 can be achieved, incorporating Queue Management milestones

MVP Scope/Solution (2)

Element	Description
Updating LoA process	Setting out what are allowable amendments to red line boundaries once Gate 2 has been achieved; and the introduction of Duplication Checks on Gate 2 projects.
Setting out the general arrangements in relation to Gate 2	Ensuring clarity of how and when Gate 2 milestones are met
Changing the offer and acceptance timescales to align with the primary process timescales (e.g. a move away from three months for making licenced offers)	Moving away from 3 month window to align with primary process
Introducing the concept of a Connections Network Design Methodology (the content and any approvals of this to be covered outside Code Modification process)	The final recommendation for a reformed connections process includes a move away from an incremental and ad-hoc approach to assessing applications and network requirements, to a batched window-based approach to facilitate a more co-ordinated approach to network design for connections
Introducing the concept of a Distribution Forecasted Transmission Capacity (DFTC) submission process for Distribution Network Operator's (DNOs) to forecast capacity on an anticipatory basis for Relevant Embedded Small Power Stations or Relevant Embedded Medium Power Stations in the Application Window.	We intend to create a DFTC process so that DNOs can forecast capacity within application windows on an anticipatory basis. DNO's will do this within an application window by submitting a DFTC forecast, and at Gate 1, the DNOs will receive back indicative connection dates and locations.

MVP Scope/Solution (3)

Element	Description
Set out the process for how DNOs notify the ESO of Relevant Embedded Small Power Stations or Relevant Embedded Medium Power Stations which meet Gate 2 criteria.	The submission of projects that meet Gate 2 criteria will be issued to the ESO by the DNO via a batched submission. This process will need to be defined.

Solution:

The modification is seeking to revise the connections process to meet net zero targets and the needs of project developers and consumers by introducing new processes and definitions as well as updating pre-existing processes. This will enable a first ready first connected approach

In Scope

- Per solution table on Slides 44,45 and 46

Out of Scope

- Pre Application Stage
- DNO DFTC Forecasting Approach
- Embedded Demand (other than in respect of DFTC)
- Connections Network Design Methodology (Content and Approval Process)
- User Commitment Methodology / Final Sums (other than Pre-Gate 2 disapplication)
- Network Charging arrangements

CM095 - Implementing Connections Reform

Proposer’s Solution: Background; Proposed Solution; Scope; and Assessment vs Terms of Reference

Graham Lear – ESO

Implementing Connections Reform

Context

The current connections process is not enabling the timely connection of projects to meet net zero.

A wholesale revision is needed to the connections process to meet those targets and the needs of project developers and consumers.

This proposal introduces new processes and definitions that will update the existing processes and enable projects that are most ready to progress more rapidly to connection.

The ESO will seek to raise this modification on an Urgent Basis to expedite the process, to enable implementation for 1st January 2025

Solution:

This proposal introduces new processes and definitions that will update the existing processes and enable more ready projects to progress more rapidly to connection.

In Scope

- Introducing an annual application window and two formal gates, which are known as Gate 1 and Gate 2 (i.e. the primary process) with a planned Go-Live Date of 1 January 2025.
- Clarifying which projects go through the primary process and any deviations from the primary process.
- Introducing the concept of a Connections Network Design Methodology to facilitate a more co-ordinated approach to network design for connections.
- Introducing the concept of a Distribution Forecasted Transmission Capacity (DFTC) for Distribution Network Operators (DNOs) to forecast capacity on an anticipatory basis for Relevant Embedded Small Power Stations or Relevant Embedded Medium Power Stations in the Application Window.

Out of Scope

- Pre-Application Stage.
- DNO DFTC Forecasting Approach.
- Embedded Demand (other than in respect of DFTC).
- Connections Network Design Methodology (Content and Approval Process).

CMP435 - Application of Gate 2 Criteria to existing contracted background

Proposer's Solution: Background; Proposed Solution; Scope; and Assessment vs Terms of Reference

Alice Taylor – ESO

Application of Gate 2 Criteria

Background

The current connections process is not enabling the timely connection of projects to meet net zero.

There is a need to address the growing existing connections queue with an average growth rate of 20GW a month for the last 12 months

In order to deliver the benefits of Connections Reform Model action needs to be taken to address the current connections queue to allow more viable projects to connect ahead of those that are less viable

This proposal looks to apply Gate 2 and queue position allocation at Gate 2 to the contracted background in order to deliver meaningful impact by the Go-Live Date

Solution:

The modification is seeking to apply the Gate 2 process and criteria to relevant existing contracted parties with contracts providing for connection and use of system which are not connected or haven't reached their Completion Date at the Go-Live Date of the 1st January 2025.

In Scope

- Extending the Gate 2 concept to apply to existing connection contracts (from planned Go-Live Date of 1 January 2025)
- Changes to the contractual arrangements for those existing contracted parties that have not met the Gate 2 criteria by the Go-Live Date
- The transitional arrangements in relation to how and when evidence is provided in relation to Gate 2

Out of Scope

- New projects that apply via the new connection reform process from January 2025 (this is covered within the Implementing Connections Reform Modification)

CM096 - Application of Gate 2 Criteria to existing contracted background

Proposer's Solution: Background; Proposed Solution; Scope; and Assessment vs Terms of Reference

Steve Baker – ESO

Application of Gate 2 Criteria

Context

The current connections process is not enabling the timely connection of projects to meet net zero.

There is a need to address the growing existing connections queue to ensure that the most viable projects can proceed

This proposal looks to apply Gate 2 criteria set out in the Implementation Connections Reform modification to the existing connections queue

The ESO will seek to raise this modification on an Urgent Basis to expedite the process, to enable implementation for 1st January 2025

Solution:

The modification is seeking to apply the Gate 2 process and criteria to relevant parties with contracts providing for connection and use of system which are not connected or haven't reached their Completion Date at the Go-Live Date of the 1st January 2025.

In Scope

- Extending the Gate 2 concept to apply to existing connection contracts (from planned Go-Live Date of 1 January 2025)
- Changes to the contractual arrangements for those existing contracted parties that have not met the Gate 2 criteria by the Go-Live Date
- The transitional provisions in relation to changes to Transmission Owner/ESO contractual arrangements for those existing contracted parties who have not met Gate 2

Out of Scope

- New projects that apply via the new connection reform process from January 2025 (as this is covered within the Implementing Connections Reform Modification)


TIME FOR A
BREAK

Agree Terms of Reference

Milly Lewis – ESO Code Administrator

Terms of Reference – CMP434 Implementing Connections Reform

Terms of Reference – CM095 Implementing Connections Reform

Terms of Reference – CMP435 Application of Gate 2 Criteria to existing contracted background

Terms of Reference – CM096 Application of Gate 2 Criteria to existing contracted background


TIME FOR A
BREAK

Cross Code and Industry Impacts

Milly Lewis – ESO Code Administrator

Are there any parties missing or under represented?

CMP434 Implementing Connections Reform

High Impacts: Transmission Owners (2), Interconnectors (0), Generators (19), Demand, Distribution Network Operators (7), Independent Distribution Network Operators (0), Electricity System Operator (1) and Consumers (0)

CM095 Implementing Connections Reform

High Impacts: Transmission Owners (3), Interconnectors (0), Generators (5), Demand, Distribution Network Operators (0), Independent Distribution Network Operators (0), Electricity System Operator (1) and Consumers (0)

CMP435 Application of Gate 2 Criteria to existing contracted background

High Impacts: Transmission Owners (2), Interconnectors (0), Generators (16), Demand (0), Distribution Network Operators (7) , Independent Distribution Network Operators (0), Electricity System Operator (1) and Consumers (0)

CM096 Application of Gate 2 Criteria to existing contracted background

High Impacts: Transmission Owners (3), Interconnectors (0), Generators (6), Demand (0), Distribution Network Operators (0), Independent Distribution Network Operators (0), Electricity System Operator (1) and Consumers (0)

Any Other Business

Milly Lewis – ESO Code Administrator

Next Steps

Milly Lewis – ESO Code Administrator