

See below the [tracklist of CUSC \(Connection Use of System Code\) Modification Proposals \(CMP\)](#) that have been put together by the Association of Renewable Energy and Clean Technology (REA)

The CUSC modification codes (CMP) are modifications that refer to the commercial arrangements for connecting to and using the transmission network whereas grid code (GC) modifications is about changes to technical and safety requirements for system users to use the electricity transmission system

Tip: **CTRL + F** can be a useful tool for searching for and finding information on a specific grid modification that you're looking for

TRACKLIST OF GRID MODIFICATION UPDATES						
Grid Modification - CMP	What is being proposed?	What stage is the proposal at?	Has it been approved?	Technologies or parties affected	Date of implementation	Link to find out more
	The CUSC requires that generation zones, used for Transmission Network Use of System (TNUsS) tariff setting, are reviewed at the start of each price control period. This CMP seeks to change the zones and the underlying methodology used to establish them. CMP225 was raised to widen the defect of CMP24. WHICH 2 put CMP225 was approved and CMP24 was rejected	Final Modification Report	No	All power generators	01-Apr-21	Link
CMP224	The CUSC requires that generation zones, used for Transmission Network Use of System (TNUsS) tariff setting, are reviewed at the start of each price control period. This CMP seeks to change the zones and the underlying methodology used to establish them. CMP225 was raised to widen the defect of CMP24. WHICH 2 put CMP225 was approved and CMP24 was rejected	Implementation	Yes	All power generators	01-Apr-21	Link
CMP225	Seeks to clarify the TNUsS Demand Residual charging arrangements for transmission connected sites that have a mix of Final and non-Final Demand	Implementation	Yes	Transmission connected sites with a mix of Final and non-Final Demand, ESO, Elexon	01-Apr-23	Link
CMP363	Support CMP363 by changing Section 14 to add/amend/remove definitions as needed	Implementation	Yes	Transmission connected sites with a mix of Final and non-Final Demand, ESO, Elexon	01-Apr-23	Link
CMP364	Implement queue management process in to CUSC and ESO to have the right to terminate contracted projects which are not progressing against agreed milestones	Implementation	Yes	Transmission connected sites with a mix of Final and non-Final Demand, ESO, Elexon	01-Apr-23	Link
CMP376	GC0156 proposal will place new obligations, within the Grid Code, upon CUSC Parties who are not contracted with the ESO as Restoration Service Providers. CMP388 proposes to introduce a codified cost recovery mechanism to prevent the affected parties being commercially disadvantaged by the implementation of the new obligations	Implementation	Yes	All power generators	27-Nov-23	Link
CMP388	Facilitate the implementation of CMP388 and proposes a small change to Section 14 (BSUs) to ensure that any validated costs arising via the CMP388 solution are recovered (as happens today with black start costs via BSUs).	Implementation	Yes	All power generators & Suppliers	29-Feb-24	Link
CMP412	Letter of Authority (LoA) should be required for new Onshore Transmission Connection Applications	Implementation	Yes	All power generators, Suppliers & Customers	29-Feb-24	Link
CMP427	Certain circuits within the Holistic Network Design (HND) to be onshore transmission (reinforcement). This modification aims to define the User Commitment liabilities for Generators connected via onshore transmission (reinforcement) within the HND	Implementation	Yes	Onshore power generators	28-Mar-24	Link
CMP428	Replace the Electricity Arbitration Association (EAA) and replace them with the London Court of International Arbitration (LCIA) from non-charging sections of the codes	Implementation	Yes	Offshore generators	14-Jun-24	Link
CMP436	Replace the EAA with the London Court of International Arbitration from Section 14 of the CUSC	Code Administrator Consultation	No	CUSC users	30-Aug-24	Link
CMP437	Improve the predictability of TNUsS demand charges by bringing forward the date at which the target revenue used for TNUsS tariff setting is fixed to allow customer prices to be accurately reflect final TNUsS rates	Code Administrator Consultation	No	CUSC users	30-Aug-24	Link
CMP286	Introduces new connection reform processes and definitions that will update the existing processes and enable projects that are most ready to progress more rapidly to connection	Final Modification Report	No	Suppliers, ESO, Transmission Owners & Consumers	30-Sep-24	Link
CMP434	Applying a project milestone / criteria ('Gate 2') to all existing contracted parties before they are provided with confirmed connection dates and locations	Proposal Form	No	All power generators	01-Jan-25	Link
CMP435	ESO's initial proposal to extend its "First Ready, First Connected" mechanism to existing connection contracts in its transmission queue	Proposal Form	No	All power generators	01-Jan-25	Link
TH04	Customers to be segmented by the new Market Half-hourly Settlement (MHHS) design data items so that sites are segmented between two different charging methodologies to reduce the risk of sites being double charged in the new MHHS Target Operating Model (TOM)	Proposal Form	No	All power generators	01-Jan-25	Link
CMP430	Socialise Dynamic Reactive Compensation Equipment (DRCE) costs through wider TNUsS charges. Instead of the current system where offshore wind farm generators both (i) provide upfront capital costs for the DRCE before transferring to OTCO and (ii) cover the cost of DRCE via the offshore local circuit tariff for the lifetime of the asset	Work Group Consultation	No	Suppliers, Embedded generators, Transmission connected demand, ESO	01-Apr-25	Link
CMP418	Obligation on the ESO to publish generation tariffs for a rolling 10-year duration and provide the clarity to Users and developers on commercial decisions to support delivery of low carbon infrastructure	Final Modification Report	No	Offshore wind farm generators	01-Apr-25	Link
CMP413	(access generation and network) at least cost for consumers	Final Modification Report	No	Generators, Suppliers, ESO, Demand Users, Consumers	01-Apr-25	Link
CMP392	To provide stakeholders with legal certainty and transparency of the Methodology and process that ESO would apply	Implementation	Yes	ESO, Generators liable for TNUsS with consequential effect on Suppliers	01-Apr-25	Link
	Introduce a mechanism which sets a lower limit on the variable generation scaling factors used for the purpose of Year-Round Background tariff calculation. This is to address a defect in current methodology which, without any change, could calculate negative scaling factors within the next few years.	Implementation	Yes	ESO, Generators liable for TNUsS with consequential effect on Suppliers	01-Apr-25	Link
CMP424	Introduce Anticipatory Investment (AI) and a mechanism for the recovery of AI costs within the Section 14 charging methodologies	Draft Final Modification Report	No	Generators, Transmission System Operators, Interconnectors	01-Apr-25	Link
CMP411	Develop a cost-effective methodology to allow the CUSC charging arrangements to accommodate the growing number of multi-technology sites	Implementation	Yes	ESO, Offshore Generators, Offshore Transmission Owners, Demand customers	01-Apr-25	Link
CMP316	Allow Interest to be applied to over and under BSUs revenue recovery amounts and creation of BSUs fund - currently this proposal has been withdrawn	Final Modification Report	No	Co-located power generators	01-Apr-25	Link
CMP420	The expansion constant is a key input in setting the value of the locational element of transmission network use of system charges. The proposal would review how the expansion constant is determined so that it best reflects the costs involved	Work Group Consultation	No	Suppliers	01-Apr-25	Link
CMP315	Re-introduction of BSUs on Interconnector Lead Parties to reflect BSUs as an energy management cost and not a transmission access charge	Final Modification Report	No	Users who pay TNUsS charges, ESO, Transmission Owners (onshore & offshore)	01-Apr-25	Link
CMP286	Amend the calculation of the Expansion Constant & Expansion Factors to better reflect the growth of and investment in the National Electricity Transmission System (NETS)	Final Modification Report	No	Interconnector Lead Parties and Customers, Suppliers, Generators, ESO	01-Apr-25	Link
CMP375	Alter the definition of Annual Load Factor with respect to electricity storage, taking into account imports as well as exports. Here, 'electricity storage' refers to all storage that has booked Transmission Entry Capacity (i.e. pumped and battery)	Final Modification Report	No	Users who pay TNUsS charges, ESO, transmission owners (offshore & onshore)	01-Apr-25	Link
CMP393	Changes to Section 14 of the CUSC. CMP397 facilitates CMP316 and proposes consequential changes to CUSC Exhibits B & D.	Final Modification Report	No	Storage Operators, Transmission Owners, ESO	01-Apr-25	Link
CMP397		Final Modification Report	No	Co-located Generators and ESO	01-Apr-25	Link

Key Stages of a Grid Modification

Proposal Form	This is the initial explanation from the organisation that proposes a code modification on what's wrong, what needs to be changed and what they think the solution is to the proposed issue. All stakeholders are welcome to propose a code modification by getting in touch with experts from ESO via their email, code.administrator@europeangrid.com , and filling out the proposal form, which can be downloaded from the ESO website.
Work Group Consultation	ESO gathers a workgroup comprised of industry experts who are likely to be affected by the code modification to get their professional opinion and how, if needed, the code modification should be altered. The workgroup consultation records all of their views regarding the proposal.
Work Group Report	Following the Workgroup consultation a report is brought out detailing all of the work groups alternative suggestions to the code modification.
Code Administrator Consultation	The Code Administrator Consultation, consults to wider industry to hear their opinions on the code modification proposal and the alternatives brought forward by the workgroup.
Draft Final Modification Report	The draft final modification report consolidates all the views on the code modification proposal from the workgroup and industry and makes a final decision on what the solution could look like.
Final Modification Report	The Final Modification Report is the last iteration for what the code modification should look like before an authority decision is made.
Implementation	When the code modification is approved, a date, if possible, in the future is given for the date of implementation.

Grid Modification - CHP	What is being proposed?	What stage is the proposal at?	Has it been approved?	Technologies or parties affected	Date of implementation	Link to find out more
CHP422	Improve cost reflectivity of the "Localional Onshore Security Factor" used in calculating Water TNUoS tariffs so that charges better reflect how Transmission Owners plan for a secure future network based on the Security and Quality of Supply Standard requirements Reference Node: generation weighted instead of demand weighted	Proposal Form	No	Generators and Suppliers	01-Apr-26 Link	
CHP423		Proposal Form	No	Generators and Demand Users	01-Apr-26 Link	
CHP419	This modification seeks to review the existing generation zoning methodology to incorporate offshore assets connected as part of the Holistic Network Design (HND) to enable the wider tariff to be applied to offshore generators. It also seeks to revisit the issue of zoning further to the expectations set out as part of the Authority decision on CHP324 and CHP325	Proposal Form	No	National Grid ESO and parties liable for TNUoS charges	01-Apr-27 Link	
CHP433	Optimised Transmission Investment Cost model (OpTIC) replaces the Transport component of the Transport and Tariff (TAT) model with an economic market model that reflects proposed network investment, creating charges that aim to leave a market participant in the expected position that they would have been in had they been operating in a zonal wholesale market with assumed optimal network investment	Proposal Form	No	Suppliers, Generators and Demand customers	01-Apr-28 Link	
CHP403	Introduce the concept of Competitively Appointed Transmission Owners (CATO's) and Transmission Service Providers for the purposes of introducing Early Competition for the design, build and ownership of Onshore Transmission assets	Final Modification Report	No	ESO, Transmission Owners, Generators, Transmission System Operators	10 working days after authority decision Link	
CHP404		Final Modification Report	No	ESO, Transmission Owners, Generators, Transmission System Operators	10 working days after authority decision Link	
CHP417	Extend the principles of CUSC Section 15 "User Commitment Methodology" to Users on Final Sums methodology, resulting in all Users being on the User Commitment Methodology. This will introduce equitable treatment across User groups and reduce barriers to entry as a User's security amount will better reflect the transmission liabilities they impose should they cancel connection or reduce capacity	Proposal Form	No	All Network Operators	10 working days after authority decision Link	
CHP364	Reforms to commercial Reactive Power services that, in the Proposer's view would create new opportunities for providers	Work Group Consultation	No	ESO and providers of reactive power	10 working days after authority decision Link	
CHP364	Introduce explicit charging arrangements to recover additional costs incurred by Transmission Owners and TNUoS liable parties as a result of transmission works undertaken early due to a User initiated delay to the Completion Date of the works, or to facilitate a backfeed. CHP368 introduces changes to non-charging sections of the CUSC to support CHP368	Work Group Consultation	No	ESO and providers of reactive power	10 working days after authority decision Link	
CHP288	Introduce explicit charging arrangements to recover additional costs incurred by Transmission Owners and TNUoS liable parties as a result of transmission works undertaken early due to a User initiated delay to the Completion Date of the works, or to facilitate a backfeed. CHP288 introduces changes to non-charging sections of the CUSC to support CHP288	Final Modification Report	No	Transmission Owners, Developers, Interconnectors or Demand Connectors	10 working days after authority decision Link	
CHP289	Amend the CUSC Section 14 to allow contestability in the construction of connection assets and remove the link between contestability eligibility and TNUoS charging which creates a limit on contestable	Work Group Consultation	No	Transmission Owners, Developers, Interconnectors or Demand Connectors	10 working days after authority decision Link	
CHP330	Amend the CUSC Section 14 to allow contestability in the construction of connection assets and remove the link between contestability eligibility and TNUoS charging which creates a limit on contestable connections of 2km	Final Modification Report	No	New Transmission connected Users and Transmission Owners	TBC Link	
CHP374	This modification is a consequential modification for CHP406, which looks at a change to a definition in Section 11. Amending the Fixed Price Period from 6 months to 12 months.	Final Modification Report	No	New Transmission connected Users and Transmission Owners	TBC Link	
CHP415		Final Modification Report	No	Demand Users, Suppliers & ESO	TBC Link	
CHP414	This is a consequential Modification proposal that enacts the Workgroup solution from CHP330/374, by updating Exhibit B, Section 2 and Section 11 of the CUSC	Final Modification Report	No	Generators, Transmission Owner and ESO	TBC Link	
CHP361	Following the approval of CHP361 WACH 3, of an ex ante fixed BSUs tariff with a 6-month notice and 6-month fix, Ofgem have stated that there is a need to amend the notice periods and therefore, this modification seeks to amend the notice periods to a 3-month notice period	Final Modification Report	No	Final Demand Users, Suppliers, ESO	TBC Link	
CHP408	Changes to the current User Commitment provisions as detailed within CUSC Section 15 are required to introduce the Anticipatory	Final Modification Report	No	Final Demand Users, Suppliers, ESO	TBC Link	
CHP402	Clarifies that the allowed revenue for Transmission Owners recovered from Transmission Users under the Charging Methodologies is fixed for each offshore	Work Group Consultation	No	ESO, Offshore Generators, Offshore Transmission Owners, Consumers	TBC Link	
CHP344	An appropriate process to be utilised when any connection triggers a Distribution impact assessment. Ensuring the process in place for such connections, best reflects the necessary contractual relationship of parties involved	Final Modification Report	No	Transmission Owners, Generators, Suppliers & ESO	TBC Link	
CHP328	Separate out the demand Year Round locational signals from Peak Security locational signals and charge (reward) Storage which imports during times other than Triads, i.e. When Wind Generation is fully operating	Final Modification Report	No	All Network Operators, ESO, Transmission Users	TBC Link	
CHP405		Proposal Form	No	Storage Operators, Transmission System Operators, Transmission Owners	TBC Link	

[See below some Grid Code \(GC\) Modifications and for the full directory of Grid Code Modifications please click here.](#)

Grid Modification - Grid Code	What is being proposed?	What stage is the proposal at?	Has it been approved?	Technologies or parties affected	Date of implementation	Link to find out more
National Grid's Electricity System Operator's Transmission Licence implementing an Electricity System Restoration Standard (ESRS) which requires 60% of electricity demand to be restored within 24 hours in all regions and 100% of electricity demand to be restored within 5 days nationally. The ESO is proposing a number of changes to the Grid Code to facilitate these requirements						
GCI156	Clearly the Grid Code with regard to the treatment of Virtual Impedance as defined within a Grid Forming Plant	Implementation	Yes	Generators, Transmission System Operators, Interconnectors, Transmission Owners, DNOs	05-Feb-24 Link	
GCI163	Creation of a pan-GB commonality of Power Station requirements	Final Modification Report	No	Generators, Manufacturers and Interconnectors	05-Jul-24 Link	
GCI117	Introduce the concept of Competitively Appointed Transmission Owners (CATOs) to the Grid Code to enable Offshore Network Competition for the design, build and ownership of Offshore Transmission assets	Final Modification Report	No	Transmission Owners (including offshore), Interconnectors, DNOs, Transmission System Users System Operator and Generators	10 working days after authority decision Link	
GCI159		Final Modification Report	No	NGESO & Transmission Owners	10 working days after authority decision Link	

Key Stages of a Grid Modification

