THE ASSOCIATION FOR RENEWABLE ENERGY & CLEAN TECHNOLOGY

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 findind 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
CMP324	The CUSC requires that generation zones, used for Transmission Network Use of System (TNUoS) 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. CMP325 was raised to widen the defect of CMP324 - WACM 2 of CMP325 was approved and CMP324 was rejected	Final Modification Report	No	All power generators	01-Apr-21	Here
CMP325	The CUSC requires that generation zones, used for Transmission Network Use of System (TNUoS) 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. CMP325 was raised to widen the defect of CMP324 - WACM 2 of CMP325 was approved and CMP324 was rejected	Implementation	Yes	All power generators	01-Apr-21	Here
CMP353	To stabilise the locational signal at the start of the RIIO-2 period at the RIIO-1 value plus relevant inflation in each charging year until such time as the effect of any change in the locational signal can be better understood.	Implementation	Yes	All CUSC Users who pay TNUoS tariffs.	01-Apr-21	Here
CMP363	Seeks to clarify the TNUoS Demand Residual charging arrangements for transmission connected sites that have a mix of Final and non-Final Demand support CMP363 by changing Section 11 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	Here
CMP364	Ofgem's TCR direction concerning the Transmission Demand Residual (TDR) by creating a methodology by which the residual element of demand Transmission Network Use of System (TNUoS) tariffs can be apportioned to Half Hourly (HH) and Non Half-Hourly (NHH) demand, and a separate methodology to determine the 'Bands' against which the residual element of demand	Implementation	Yes	Transmission connected sites with a mix of Final and non-Final Demand, ESO, Elexon	01-Apr-23	Here
CMP343		Implementation	Yes	Network Operators and demand users	01-Apr-23	Here
CMP340	CMP340 will provide the definitions required for CM 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	Network Operators and demand users	01-Apr-23	Here
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. CMP376 proposes to introduce a codified cost recovery mechanism to prevent the affected parties being commercially disadvantaged by the	Implementation	Yes	All power generators	27-Nov-23	Here
CMP398	implementation of the new obligations Facilitate the implementation of CMP376 and proposes a small change to Section 14 (BSUoS) to ensure that any validated costs arising via the CMP398 solution are recovered (as happens today with	Implementation	Yes	All power generators & Suppliers	29-Feb-24	Here
CMP412	black start costs via BSUoS. Letter of Authority (LoA) should be required for new Onshore Transmission Connection Applications	Implementation	Yes	All power generators, Suppliers & Customers	29-Feb-24	Here
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	Implementation	Yes	Onshore power generators	28-Mar-24	Here
CMP428	the HND 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	Here
CMP436	Replace the EAA with the London Court of International Arbitration from Section 14 of	Final Modification Report	No	CUSC users	30-Aug-24	Here
CMP437	the CUSC Improve the predictability of TNUoS demand charges by bringing forward the date at which the target revenue used in TNUoS tariff setting is fixed to allow customer prices to more accurately reflect final TNUoS rates	Final Modification Report	No	CUSC users	30-Aug-24	Here
CMP286	Minor clarifications and corrections to the Connection and Use of System Code (CUSC) paragraph 14.25, which provides an illustrative example of a Transmission Network Use of System charge (TNUoS) demand reconciliation. It does not affect users'	Final Modification Report	No	Suppliers, ESO, Transmission Owners & Consumers	30-Sep-24	Here
CMP438	chanies. Introduces new connection reform processes and definitions that will update the existing processes and enable projects that are most ready to	Implementation	Yes	Suppliers, Embedded Generators, Electricity System Operator	03-Oct-24	Here
CMP434	progress more rapidly to connection Applying a project milestone / criteria ('Gate 2') to all existing contracted parties before they are provided with confirmed connection dates	Work Group Consultation	No	All power generators	01-Jan-25	Here
CMP435	and locations ESO's initial proposal to extend its "First Ready, First Connected" mechanism to existing connection contracts in its	Work Group Consultation	No	All power generators	01-Jan-25	Here
TMO4+	transmission queue The CUSC should be amended to ensure that Generators only pay TNUoS (Transmission Network Use of System) charges on a pro-rated basis from their Charging Date, during the first year of	Implementation	Yes	All power generators	01-Jan-25	Here
CMP445	connection. 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	Proposal Form	No	Generators, Transmission System Operators, Transmission Owners	28-Mar-25	Here
CMP430	Operating Model (TOM) Socialise Dynamic Reactive Compensation Equipment (DRCE) costs through wider TNUoS charges. Instead of the current system where offshore wind farm generators both (i) provide upfront capital costs for the DRCE before transferring to OFTO and (ii) cover the cost of	Implementation	Yes	Suppliers, Embedded generators, Transmission connected demand, ESO	01-Apr-25	Here
CMP418	DRCE via the offshore local circuit tariff for the lifetime of the project 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	Here
CMP413	(across generation and network) at least cost for consumers To provide stakeholders with legal certainty	Final Modification Report	No	Generators, Suppliers, ESO, Demand Users, Consumers	01-Apr-25	Here
CMP392	and transparency of the Methodology and process that ESO would apply 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	Implementation	Yes	ESO, Generators liable for TNUoS with consequential effect on Suppliers	01-Apr-25	Here
CMP424	calculate negative scaling factors within the next few years. Introduce Anticipatory Investment (AI) and a mechanism for the recovery of AI costs within the Section 14 charging methodologies	Implementation	Yes	Generators, Transmission System Operators, Interconnectors	01-Apr-25	Here
CMP411	Develop a cost-reflective 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	Here
CMP316	Allow interest to be applied to over and under BSUoS revenue recovery amounts and creation of BSUoS fund - currently this proposal	Final Modification Report	No	Co-located power generators	01-Apr-25	Here
CMP420	has been withdrawn 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	Work Group Consultation	No	Suppliers	01-Apr-25	Here
CMP315	expansion constant is determined so that it best Re-introduction of BSUoS on Interconnector Lead Parties to reflect BSUoS is an energy management cost and not a transmission access charge (has recently been rejected by the authority).	Final Modification Report	No	Users who pay TNUoS charges, ESO, Transmission Owners (onshore & offshore)	01-Apr-25	Here
CMP396	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	Here
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 TNUoS charges, ESO, transmission owners (offshore & onshore)	01-Apr-25	Here
CMP380		Final Modification Report	No	Storage Operators, Transmission Owners, ESO	01-Apr-25	Here

Key: Stages of a Grid Modification	
Proposal Form	This is the initial explanation from the organisation that proposes a code modification on what is 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@nationalgrideso.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 - 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
CMP397	Changes to Section 14 of the CUSC. CMP397 facilitates CMP316 and proposes consequential chanes to CUSC Exhibits B & D.	Final Modification Report	No	Co-located Generators and ESO	01-Apr-25	Here
CMP415	This modification is a consequential modification for CMP408, which looks at a change to a definition in Section 11. Amending the Fixed Price Period from 6 months to 12 months.	Implementation	Yes	Demand Users, Suppliers & ESO	01-Apr-25	Here
CMP408	Following the approval of CMP361 WACM 3, of an ex ante fixed BSUoS tariff with a 9 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 period to a 3 month notice period	Implementation	Yes	Final Demand Users, Suppliers, ESO	01-Apr-25	Here
CMP446	The current connections process can be improved to facilitate the timely connection of distribution projects that have minimal impact on the Transmission Network to help meet net zero and Clean Power 2030. This proposal raises the lower threshold at which an Evaluation of Transmission	Proposal Form	No	Network Operators, generators, demand users and consumers	02-May-25	Here
CMP432	Improve cost reflectivity of the "Locational Onshore Security Factor" used in calculating Wider Reference Node: generation-weighted instead of demand-weighted	Proposal Form	No	Generators and Suppliers	01-Apr-26	Here
CMP423		Proposal Form	No	Generators and Demand Users	01-Apr-26	Here
CMP444	This modification seeks to introduce a temporary cap and floor mechanism to wider generation TNUoS (Transmission Network Use of System) charges, to reduce investment uncertainty for	Proposal Form	No	Generators, Storage operators, NESO, Suppliers, Consumers	01-Apr-26	Here
CMP442	This modification gives Generators the opportunity to fix their wider Transmission Network Use of System (TNUoS) charges against the forecasted tariffs provided by NESO.	Proposal Form	No	Generators, NESO and Suppliers	01-Apr-26	Here
CMP440	the current zero price floor from the Transmission Network Use of System(TNUoS) locational demand tariff for Final Demand, thereby re-introducing a locational investment price signal across all of Great Britain(GB). The potential for negative prices and the perverse incentive for users to consume is	Proposal Form	No	Suppliers	01-Apr-26	Here
CMP419	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	Proposal Form	No	National Grid ESO and parties liable for TNUoS charges	01-Apr-27	Here
CMP433	Optimised Transmission Investment Cost model (OpTIC) replaces the Transport component of the Transport and Tariff (T&T) model with an economic market model that reflects proposed network	Proposal Form	No	Suppliers, Generators and Demand customers	01-Apr-28	Here
CMP441	This modification seeks to address a discrepancy in the timing in deenergising a non-embedded site verses an embedded site. The change will allow a level playing field between the transmission and	Final Modification Report	No	Customers, Suppliers and Transmission System Operators	10 business days after Ofgem decision	Here
CMP439	requirement for ≤100 MW licenced embedded generators to have a BEGA before participating in the Balancing Mechanism.	Proposal Form	No	Embedded Generators	10 Business days after the Authority Decision	Here
CMP447	CMP467 extends the effect of CMP428 . This modification also adjusts the fixed attributable works of relevant Generators where CMP447 would have benefited them had they not fixed, by	Proposal Form	No	Suppliers and Generators	10 Business Days after the Authority decision	Here
CMP403	Introduce the concept of Competitively Appointed Transmission Owners (CATO's) and Transmission	Final Modification Report	No	ESO, Transmission Owners, Generators, Transmission System Operators	10 working days after authority decision	Here
CMP404	Service Providers for the purposes of introducing	Final Modification Report	No	ESO, Transmission Owners, Generators, Transmission System Operators	10 working days after authority decision	Here
CMP417	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	Here
CMP304	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	Here
CMP288	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. CMP289 introduces	Final Modification Report	No	Transmission Owners, Developers, Interconnectors or Demand Connections	10 working days after authority decision	Here
CMP289	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	Work Group Consultation	No	Transmission Owners, Developers, Interconnectors or Demand Connections	10 working days after authority decision	Here
CMP443	This modification seeks to remove references to "Ise" and "Isa similar" from the CUSC in order to reflect both current and future methods of communication between relevant Users and the National Energy System Operator (NESO) due to the national decommissioning of the Public	Code Administrator Consultation	No	Generators, Demand Users, Interconnectors, Network Operators	10 working days after Authority decision	Here
CMP330	Amend the CUSC Section 14 to allow contestability in the construction of connection assets and remove the link between contestability eligibility and TNUoS charging	Final Modification Report	No	New Transmission connected Users and Transmission Owners	TBC	Here
CMP374	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	Here
CMP414	This is a consequential Modification proposal that enacts the Workgroup solution from CMP330/374, by updating Exhibit B, Section 2 and Section 11 of the CUSC	Final Modification Report	No	Generators, Transmission Owner and ESO	TBC	Here
CMP402	Changes to the current User Commitment provisions as detailed within CUSC Section 15 are required to introduce the Anticipatory Investment(AI) principles for offshore generators connecting at different times to non-radial offshore	Work Group Consultation	No	ESO, Offshore Generators, Offshore Transmission Owners, Consumers	TBC	Here
CMP344	Clarifies that the allowed revenue for Transmission Owners recovered from Transmission Users under the Charging Methodologies is fixed for each onshore price control period for onshore transmission	Final Modification Report	No	Transmission Owners, Generators, Suppliers & ESO	TBC	Here
CMP328	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	All Network Operators, ESO, Transmission Users	TBC	Here
CMP405	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	Proposal Form	No	Storage Operators, Transmission System Operators, Transmission Owners	TBC	Here

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
GC0156	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	Implementation	Yes	Generators, Transmission System Operators, Interconnectors, Transmission Owners, DNOs	05-Feb-24	Here
GC0163	Clarify the Grid Code with regard to the treatment of Virtual Impedance as defined within a Grid Forming Plant	Final Modification Report	No	Generators, Manufacturers and Interconnectors	05-Jul-24	Here
GC0117	Creation of a pan-GB commonality of Power Station requirements	Final Modification Report	No	Transmission Owners (including offshore), Interconnectors, DNOs, Transmission System Users System Operator and Generators	10 working days after authority decision	Here
GC0159	Introduce the concept of Competitively Appointed Transmission Owners (CATOs) to the Grid Code to enable Onshore Network Competition for the design, build and ownership of Onshore Transmission assets	Final Modification Report	No	NGESO & Transmission Owners	10 workind days after authority decision	Here

Key: Stages of a Grid Modification