

## GC0142: Adding Non-Standard Voltages to the Grid Code

### About This Document

This has been produced by ESO as Code Administrator to accompany change proposals. It provides a summary of the Modification Proposal and its potential impacts to assist industry in assessing whether they want to be involved in the Workgroup or respond to the consultation. The Proposal can be found [here](#).

### What is the issue?

The Grid Code currently only references the specification and performance requirements for adding equipment of the following voltages to the Grid: 400kV, 275kV and 132kV. Future technical advancements and equipment of other nominal voltage specifications and requirements are not defined in the Code. 220kV is a common EU transmission voltage. It is possible that this, along with equipment of other common voltages (e.g. 380kV, 110kV) could be connected to the GB system in the near future.

### What is the solution and when will it come into effect?

Removing references to specific nominal voltages from relevant clauses of the Grid Code and replacing them with a table of voltage ranges, similar to that in the EU codes. This will ensure that current and future voltages within the transmission network have clear specification and performance requirements.

The proposed legal text can be found on pages 7-20 of the Proposal Form.

### What is the impact if the change is made?

This will provide clarification to Users installing equipment at non-standard voltages. It will also capture any future equipment with varying nominal voltages, therefore avoiding frequent amendments to the Grid Code.

To ensure these changes are aligned across the codes a separate modification will be raised to amend the SQSS.

There are no consumer impacts identified in relation to this proposal.

### Governance route recommended by the Code Administrator

As the changes proposed are deemed to be non-material, the Code Administrator recommends that this change proceed as a standard governance change and proceed straight to Code Admin Consultation.

Contact details

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We have produced a [document](#) that outlines how you can get involved from tracking changes to our Codes to becoming a Workgroup member.