



# TSOs Position Paper on the Retrospective Application of MPID 239

---

DRAFT

Document Identifier		Written by	David Cashman
Document Version	Draft	Checked by	
Date of Current Issue	October 2013	Approved by	Jon O' Sullivan



## Disclaimer

EirGrid, the Transmission System Operator (TSO) for Ireland, makes no warranties or representations of any kind with respect of this document, including, without limitation, its quality, accuracy and completeness. The TSO does not accept liability for any loss or damage arising from the use of this document or any reliance on the information it contains. Use of this document and the information it contains is at the user's sole risk. In addition, the TSO strongly recommends that any party wishing to make a decision based on the content of this document should consult the TSO in advance.

DRAFT



## Foreword

This document aims to outline the position of EirGrid and SONI in relation to the retrospective application of the proposed modification MPID 239 in relation to dynamic modelling requirements for Users.

The Grid Code modification MPID 239 has proposed the updating of requirements for Users of the Transmission System. The document is intended to be read in conjunction with Grid Code Version 5 and proposed modification MPID 239.

The document has been prepared, solely, for the assistance of existing and prospective Users connecting directly to the Transmission System. In the event of dispute, the Grid Code will take precedence over these notes. The position expressed in this document relates solely to the proposed modification MPID 239 and does not represent the TSOs' position on any other Grid Code clauses or modifications.

For any queries in relation to Grid Code compliance, commissioning and testing or specific questions in relation to modelling please contact the TSO.

DRAFT



## TSOs Position on Retrospective Application of MPID 239

EirGrid and SONI have proposed modifications to the Grid Codes of Ireland and Northern Ireland in relation to the dynamic model requirements for Users. Due to different policies in relation to retrospection in both jurisdictions and also issues with legacy Plant the TSOs have been requested to clarify the position on retrospection in relation to these specific modifications.

Dynamic models are a fundamental tool utilised by the TSOs to assess the stability of the power system. The models are paramount to the secure, reliable and efficient operation and planning of the system. It is also of the utmost importance that the models provided by Users accurately reflect the performance of their Plant. The motivation for the modification on modelling requirements for Users is to ensure that sufficiently accurate models are provided with sufficient information for the TSOs to perform their duties in planning and operating the system.

Following discussions with industry through consultation, working groups and Grid Code Review Panels it was apparent that the application of this modification to all existing Plant on the system could lead to difficulties including large costs to the industry. The TSOs also recognise that sufficient models already exist for a considerable portion of the generation portfolio on the system. Whilst there are sufficient models for a considerable portion of generation in Ireland and Northern Ireland the TSOs are of the view that there is a significant amount of generation that are not modelled with sufficient accuracy to adequately represent the Users Plant. In order for the TSOs to securely plan and operate the system there must be adequate models for all Plant connected to the system.

In this light, the TSOs have proposed to apply the modification retrospectively in the following manner:

- All new Plant connecting to the system shall provide updated models in line with the new specifications outlined in the modifications.
- For existing Plant undergoing significant refurbishment that materially affects the dynamic performance of the Plant the User shall be required to provide updated models in line with the new specifications outlined in the modifications.
- In the case of existing Plant for which there are sufficient models the User shall not be required to re-submit new models of the existing Plant. The TSOs may request confirmation of the models and data employed in their existing system model to confirm that the model is adequate.
- All Users shall be required to provide sufficient information about their models. This includes a full description of model structure and functionality and Laplace domain block diagrams.