

## WAGCM8 - Grid Code Alternative Form

# GC0141:

## Preferred permutation across all GC0141 “Sub-Modification” workstreams

### Overview:

The Alternative has been raised to cover the proposers chosen permutation in relation to the elements that comprise the modification.

Details of the chosen permutation as attached and summarised below:

Solution	Independent Engineer	Sharing for SSTI / SSCI	RMS & EMT Models	Fault Ride Through Definition & Retrospective Requirements	Compliance Repeat Plan	Enhanced FRT Studies	Torsional Data
WAGCM8	No requirement for IE	ESO/TO share models as required	Specification of RMS & EMT model (fully encrypted)	Adds a time duration & retrospective requirements	No requirement to submit compliance statement and DRC Schedules	Additional studies for complex connections agreed at start of process	User provides data when asked prior to a completion date of 1st April 2015
	No change from Baseline						
	Original Proposal						
	Alternative Option						

**Requirement for an Independent Engineer** – Current Baseline

**Sharing of SSTI / SSCI Models** – Original Proposal

**Specification for RMS & EMT Models** – Original Proposal

**Fault Ride Through Definition and Retrospective Requirements** – Original Proposal

**Compliance Repeat Plan** – Current Baseline

**Enhanced Fault Ride Through Studies** – Original Proposal

**Provision of Torsional Data for Older Plant** – Alternative Option 7a (requirement for User to only provide Torsional Data for Generating Units with a completion date before 01 April 2015 on request)

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## Contents

- What is the proposed alternative solution?
- What is the impact of this change?
- When will the change take place?
- Acronyms, key terms and reference material

## What is the proposed alternative solution?

The alternative covers the proposers chosen elements of the modification, with some elements differing from the Original Proposal.

## What is the difference between this and the Original Proposal?

See “Overview” section

## What is the impact of this change?

Proposer's Assessment against Grid Code Objectives	
Relevant Objective	Identified impact
(a) To permit the development, maintenance and operation of an efficient, coordinated and economical system for the transmission of electricity	<b>Positive</b> Improved by proposed changes.
(b) Facilitating effective competition in the generation and supply of electricity (and without limiting the foregoing, to facilitate the national electricity transmission system being made available to persons authorised to supply or generate electricity on terms which neither prevent nor restrict competition in the supply or generation of electricity);	Negligible impact.
(c) Subject to sub-paragraphs (i) and (ii), to promote the security and efficiency of the electricity generation, transmission and distribution systems in the national electricity transmission system operator area taken as a whole;	<b>Positive</b> Improved by proposed changes.
(d) To efficiently discharge the obligations imposed upon the licensee by this license and to comply with the Electricity Regulation and any relevant legally binding decisions of the European Commission and/or the Agency; and	<b>Positive</b> Improved by proposed changes.
(e) To promote efficiency in the implementation and administration of the Grid Code arrangements	<b>Positive</b> Improved by proposed changes.

## When will this change take place?

Implementation date:

In line with GC0141.

**Implementation approach:**

**Acronyms, key terms and reference material**

Acronym / key term	Meaning
BCA	Bilateral Connection Agreement - between a User and ESO
ECC	European Connection Conditions – part of Grid Code
PC	Planning Code – part of Grid Code
TO	Transmission Owner
NG ESO	National Grid Electricity System Operator

**Reference material:**

None.