

MODIFICATION PROPOSAL FORM



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FORM GC1, PROPOSAL OF MODIFICATION TO GRID CODE.

MODIFICATION PROPOSAL ORIGINATOR:	EirGrid		
MODIFICATION PROPOSAL ORIGINATOR (CONTACT NAME)	Barry O'Connell	MODIFICATION PROPOSAL ORIGINATOR FAX NUMBER:	
MODIFICATION PROPOSAL ORIGINATOR TELEPHONE NUMBER:	70184	DATE:	10/10/12
MODIFICATION PROPOSAL ORIGINATOR E-MAIL ADDRESS:		MODIFICATION PROPOSAL NUMBER (EIRGRID USE ONLY)	MPID 231
GRID CODE SECTION(S) AFFECTED BY PROPOSAL:	CC.10.4		
GRID CODE VERSION :	4		
MODIFICATION PROPOSAL DESCRIPTION (MUST CLEARLY STATE THE DESIRED AMENDMENT, ALL TEXT/FORMULA CHANGES TO THE GRID CODE. THE REQUIRED REASON FOR THE MODIFICATION MUST STATED. ATTACH ANY FURTHER INFORMATION IF NECESSARY.)	<p>Original CC.10.4:</p> <p>It should be noted that high speed automatic reclosing (HSAR) is a feature of Transmission System operation. This feature is characterised by the sudden re-energisation of the power supply after a dead time of approximately 400 milliseconds. All tripping and high speed reclosing on the 110 kV and 220 kV Systems is three pole.</p> <p>Proposed Modification to CC.10.4:</p> <p>It should be noted that high speed automatic reclosing (HSAR) is a feature of Transmission System operation. This feature is characterised by the sudden re-energisation of the power supply after a dead time of approximately 400 600 milliseconds. All tripping and high speed reclosing on the 110 kV and 220 kV Systems is three pole. Tripping and high speed reclosing on the 220 kV and 400 kV Systems is a combination of single pole and three pole.</p>		

<p>IMPLICATION OF NOT IMPLEMENTING THE MODIFICATION</p>	<p>This proposed modification reflects what is currently in service. This is a higher standard of protection as it reduces impact on the grid during single phase to earth faults. Single pole tripping and reclosing has been a feature of the 400 kV system since it was built in the 1980s. The 220 kV system was designed to provide single pole tripping and reclosing but it had to be abandoned due to difficulty in providing phase segregated tripping. This problem has been resolved with the use of modern protection, thus single pole tripping is being re-introduced where feasible on the 220 kV system as part of protection upgrade and station refurbishment projects.</p>
<p><i>Please submit the Modification Proposal by fax, post or electronically, using the information supplied above</i></p>	
<p>EIRGRID REVIEWER</p>	
<p>EIRGRID ASSESSMENT</p>	