

## **MPID 141: OC11 Safety Co-Ordination**

Due to changes to various Safety Rules, OC11 now requires an update. Below please find revised definitions and revised text for OC11.

As EirGrid was formed on July 1<sup>st</sup> 2006, the relevant modifications from “ESBNG” to “the TSO” are also included here. The full suite of modifications can be found in documentation on MPID 154.

This document details the proposed modifications. It is proposed to delete text shown in red strikethrough font and to add the text in blue font below.

The following new definitions are required

### **New Definitions:**

<b>ESB Networks Electrical Safety Rules</b>	The current version of the document prepared by <b>ESB</b> and entitled “ESB Networks Electrical Safety Rules”
<b>ESB Power Generation Electrical Safety Rules</b>	The current version of the document prepared by <b>ESB</b> and entitled “ESB Power Generation Electrical Safety Rules”.

<b>Safety Rules</b>	<b>ESB Networks Electrical Safety Rules, ESB Power Generation Electrical Safety Rules</b> or the rules of a <b>User</b> , compliance with which ensures that persons working on <b>Plant</b> and/or <b>Apparatus</b> to which the rules apply are safeguarded from hazards arising from the <b>System</b> .
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And it is proposed to delete the current definitions for “**ESB Safety Rules**” and “**Safety Rules**”.

The following modifications to OC 11 are being proposed:

### **OC11 SAFETY CO-ORDINATION**

#### **OC11.1 INTRODUCTION**

OC11.1.1 In order to adequately maintain and repair damage to **Transmission System Plant** and/or **Apparatus** ~~resulting from faults~~, it will be necessary for ~~ESBNG~~ **the TSO** and/or its agents to work on or in close proximity to

**Transmission System Plant and Apparatus**, or in close proximity to **User's Plant and Apparatus**.

OC11.1.2 ~~It will also be necessary for~~ **Users** and/or their agents ~~will similarly need to~~ ~~similarly~~ work on or in close proximity to **User's Plant and Apparatus** which is ~~connected to, or~~ capable of being connected to ~~in an approved manner~~, the **Transmission System**, and from time to time to work in close proximity to **Transmission System Plant and Apparatus**.

OC11.1.3 It will also be ~~from time to time~~ necessary to facilitate work by third parties in close proximity to **Transmission System Plant and Apparatus**.

OC11.1.4 In order to ensure safe working conditions for each of the above situations, ~~it will be necessary that~~ **ESBNG the TSO, the TAO, and Users**, and/or their respective agents ~~operate in accordance with approved safety rules~~ shall comply with their applicable **Safety Rules** and Irish and EU Health and Safety Legislation.

OC11.1.5 In the event of a conflict between OC11 (Safety Co-ordination) and any other section of the **Grid Code**, OC11 shall take precedence.

**OC11.2 OBJECTIVE**

OC11.2.1 The objective of OC11 is to ~~establish the requirement on~~ ~~ensure that~~ **ESBNG the TSO, (or their agents), and Users (or their agents)** and their respective agents ~~to~~ operate in accordance with approved safety rules, ~~in order to ensure safe working conditions for~~ which ensure the safety of personnel working on or in close proximity to **Transmission System electrical Plant and Apparatus** or personnel who may have to work at or use the equipment at the interface ~~between the Transmission System and the User System~~.

OC11.2.2 This will normally involve making electrical **Plant** dead, and suitably isolating / disconnecting (from all sources of **Energy**) and ~~earthing~~ **Earthing** that **Plant**, such that it cannot be made live.

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OC11.2.3 ~~The Safety~~ **Safety Rules** shall also cover work on live **Transmission System Plant and Apparatus** ~~by~~ **ESBNG**.

**OC11.3 SCOPE**

OC11 applies to **ESBNG the TSO** and to ~~all the following Users, which term in this OC11 means:~~

- (a) **Generators;**
- (b) the **Distributor System Operator;**
- (c) **Demand Customers; and**
- (d) **the TAO; and**
- (e) agents of **ESBNG the TSO** or agents of any ~~User~~ **User** (as defined in OC 11.3 (a), (b), (c) and (d)).

**OC11.4 THE SAFETY RULES**

~~OC11.4.1 Safety procedures for personnel working on or in close proximity to **Transmission System Plant and Apparatus** are governed by the **ESB Safety Rules** (or any future revision(s) of these rules) as detailed in:~~

- ~~(a) Safety Rules 1993 (ELECTRICAL) (Transmission, Distribution and Marketing); or~~
- ~~(b) Safety Rules 1991 (ELECTRICAL) (Generation)~~

The safety of personnel working on or in close proximity to **Transmission System Plant and Apparatus** for or on behalf of the **TSO** is governed by the **ESB Networks Electrical Safety Rules**.

The safety of personnel working on or in close proximity to **User Plant and Apparatus** is governed by the **ESB Networks Electrical Safety Rules**, **ESB Power Generation Electrical Safety Rules** or **Users Safety Rules**, as appropriate.

OC11.4.2 In the event of a conflict between the provisions of this Code and the provisions of the **ESB Networks Electrical Safety Rules**, the provisions of the **ESB Networks Electrical Safety Rules** shall take precedence.

OC11.4.3 In the event of a conflict between the provisions of this Code and the provisions of the **ESB Power Generation Electrical Safety Rules**, the

provisions of the **ESB Power Generation Electrical Safety Rules** shall take precedence.

~~OC11.4.3 If a disagreement arises regarding the correct interpretation of a rule in the **Safety Rules 1993 (ELECTRICAL)** (Transmission, Distribution and Marketing) or other such revision in force at that time **ESBNG** will provide a definitive interpretation.~~

OC11.4.4 Where clarification is required regarding the correct interpretation of a rule within the **ESB Networks Electrical Safety Rules**, the **TSO** shall issue the interpretation to the **User** as provided by the person responsible for the **ESB Networks Electrical Safety Rules** following consultation with the relevant parties.

**OC11.5 SAFETY AT THE INTERFACE BETWEEN THE TRANSMISSION SYSTEM AND THE USER SYSTEM**

~~OC11.5.1 For parties connecting to the Transmission System the Designated Operators shall be approved in writing by the relevant User as competent to carry out the procedures in the agreed Operation Instructions.~~  
There shall be a **Designated Operator** for each **User Site**.

~~OC11.5.2 A **Site Responsibility Schedule** referred to in CC14 for each **User Site** shall be developed by **ESBNG** in consultation with **Users**. The **Site Responsibility Schedule** shall detail the demarcation of responsibility for safety of persons carrying out work or testing at the **User's Connection Site** and on circuits which cross the **User's Site** at any point.~~

**Comment:** This clause is being deleted and being replaced by OC11.5.2 (a) below.

OC11.5.32 **Operation Instructions** for each **User Site** shall, following consultation with the relevant **User**, be issued by **ESBNG** the **TSO** to the **User**. ~~**Operation Instructions**~~ and will include, ~~but are not limited to:~~

- (a) detail on the demarcation of responsibility for safety of persons carrying out work or testing at the **User's Site** and on circuits which cross the **User's Site** at any point.
- (b) detailed switching sequences ~~(which meet as a minimum, the requirements of the ESB Safety Rules) to be followed~~ for voluntary, fault and emergency switching;
- (c) control and operational procedures;

- (d) identification of operational boundaries;
- (e) identity of the representatives of ~~ESBNG the TSO~~ and the ~~User(s)~~ User(s) and/or their respective agents who will attend the ~~Transmission Station~~ Transmission Station and/or facility for operation and during emergencies;
- (f) other matters agreed between the TSO and User.

**Comment:** The word “identity” here implies the role / job title of the representatives.

OC11.5.43 ~~Each User and ESBNG will~~ The TSO and each User shall co-operate in developing procedures and agreement on any matters that may be relevant for ensuring overall site Site safety and, in particular, the overall safety of ~~interface~~ equipment at the interface between the Transmission System and the User System.

OC11.5.5.4 In the event of a **Modification** or a change in operational practices, which ~~have or~~ may have an **Operational Effect** on a **User Site**, ~~ESBNG the TSO~~ and the **User** shall review the adequacy of overall site Site safety. In any event, ~~ESBNG the TSO~~ and each **User** shall review the adequacy of overall site Site safety once every 5 years.

OC11.5.6.5 Adequate means of isolation / disconnection (from all sources of **Energy** shall be provided at the interface between the Transmission System and the User System to allow work to be carried out safely at, ~~the interface~~ or either side of ~~the interface~~ this point, by ~~ESBNG the TSO~~ and each **User**.

OC11.5.7.6 Where necessary adequate facilities for earthing **Earthing** and short ~~circuit~~ circuiting shall be applied to ~~plant~~ **Plant** and/ or ~~equipment~~ **Apparatus** at either side of the interface between the Transmission System and the User System, to allow work to be carried out safely at ~~the interface~~ or either side of ~~the interface~~ this point.