

# ***SAFETY PROCEDURE***

## **SAFETY MANAGEMENT PROCEDURE FOR HAZARDOUS AREAS**

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## 2. PURPOSE

The purpose of this procedure is to define the strategy to safely manage and work in hazardous areas. This procedure details the objectives and processes to enable compliance with state and national standards to safely manage and work in hazardous areas, whilst ensuring the operational needs are met.

## 3. SCOPE

This procedure applies to the use of electrical and mechanical equipment in potentially flammable and explosive atmospheres and the specific requirements for managing potentially flammable and explosive atmospheres when installing, maintaining and equipment, performing operational activities and maintenance.

## 4. TERMS AND DEFINITIONS

Term	Definition
<b>Classification of Hazardous Areas</b>	<p>Is a method of analysing and classifying the environment where an explosive atmosphere is present or is expected to be present. This allows the prescription of equipment, particularly electrical equipment, to be installed or used in that environment. Area classification is actioned in the following way:</p> <ul style="list-style-type: none"> <li>The type of hazard identified (i.e. gas or dust or a combination of gases and dusts).</li> <li>The probability of an explosive atmosphere actually occurring, determined by determining release frequency and duration (i.e. continuous, primary or secondary groups).</li> </ul>
<b>Combustible</b>	<p>Any substance other than a flammable liquid (which is a dangerous good), that has a flash point, and has a fire point less than its boiling point.</p>
<b>Exposure</b>	<p>Is to be subjected to a hazardous area.</p>
<b>Explosive Dust Atmosphere</b>	<p>Is a mixture with air under atmospheric conditions of flammable substances in the form of dust, fibres or flyings in which, after ignition, combustion spreads throughout the unconsumed mixture.</p>