



Operating Control Systems (IRMR 6.4) **(WGG Offshore Academy Bachelor's Degree Level 6 in IRMR)**

Target Group

The 6.4 Operating Control Systems training unit is directed towards individuals who are, or may be required to manage, direct, and conduct strategic governance and social responsibilities planning in the context of incident response for an organisation.

Course Elements & Competency

The following unit elements will be delivered:

Element 6.4.1 Prepare for work.

Element 6.4.2 Control panel interface.

Element 6.4.3 Controlling processes.

Element 6.4.4 Facilitating planned and unplanned process startups and shutdowns.

Course Outline

6.4.1 Prepare for work	<ul style="list-style-type: none"> • Work requirements • Control hazards • Personnel coordination
6.4.2 Control panel interface	<ul style="list-style-type: none"> • Process monitoring and personnel communications • Controller modes • Set point/output changes for plant and process optimization • Historical data and information • Process messages and alarms
6.4.3 Controlling processes	<ul style="list-style-type: none"> • Systems knowledge and data acquisition • Systems status and potential faults • Alarm interpretation and action priority • Minimizing process fluctuations • Set point and output changes to meet plant requirements • Data recording
6.4.4 Facilitating planned and unplanned startups and shutdowns	<ul style="list-style-type: none"> • Alarm response • Outside services coordination • Planned startup and shutdown process procedures • Unplanned startup and shutdown process procedures • Communications • Data and event logs

Learning Outcomes

To successfully complete this unit delegates must be able to:

- User and operator interface,

- Access control information,
- Control process variations and monitor operations,
- Facilitate planned and unplanned process start-ups and shutdowns,
- Respond to alarms or out of specification conditions.

Pre-requisite & Periodicity

There are no specific pre-requisites for the Understanding Environmental Conditions During Incident Response training. However, the delegate must be able to demonstrate suitable exposure within his/her sphere of influence therefore a good understanding of the resources used by the plant, the nature and source of pollutants and the waste materials produced by the plant. It also requires the operator to understand the impact of using resources, and the effect pollutants and waste can have on the local environment.

The Operating Control Systems training unit is part of the Bachelor's Degree Level 6 program in Incident Response, Management & Recovery.

Aims & Objectives.

This subject describes the skills, knowledge and behaviours required to manage, direct and conduct strategic governance and social responsibilities planning for an organisation. This includes developing objectives and strategies, implementing initiatives and analysing, interpreting, and monitoring trends and processes. It focuses on making provision for inclusivity to ensure that Response, Management, and Recovery of Incidents are compliant & ensure an effective and organized outcome to all involved and concerned at all levels.

Duration, Timings & Numbers

The optimum "contact time" for this training is seen as 26 hours with classroom-based instruction as the primary delivery style.

The total contact time per day will not exceed 8 hours. The total training day will not exceed 10 hours.

The maximum number of delegates per unit is six (6).

The Course Format

Course format is classroom lecture with Q&A and interactive discussion.