



Research & Data Analysis for Disaster Management (IRMR 7.4) (WGG Offshore Academy Master's Degree Level 7 in IRMR)

Target Group

The 7.4 Research & Data Analysis for Disaster Management 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 7.4.1 Determine gaps and deficiencies in present analyses and/or procedures.

Element 7.4.2 Research and propose alternatives.

Element 7.4.3 Evaluate alternatives, develop analyses and recommend methods and procedures.

Element 7.4.4 Documentation.

Course Outline

<p>7.4.1 Determine gaps and deficiencies in present analyses and/or procedures</p>	<ul style="list-style-type: none"> • Identify opportunities to improve analyses and procedures • Identify requirements for new analyses and procedures to meet testing briefs • Define the scope of analysis required by the improvement or new testing brief • Establish that existing enterprise test methods/procedures do not meet requirements • Prepare development proposal • Confirm development requirements and development proposal with appropriate personnel • Obtain authorization to proceed.
<p>7.4.2 Research and propose alternatives</p>	<ul style="list-style-type: none"> • Source relevant documented methods/procedures • Review relevant documented methods/procedures according to enterprise procedures • Consult with relevant technical personnel regarding project development issues • Evaluate resource requirements for proposed methods/procedures • Ensure that methods/procedures meet OHS, environmental, regulatory and enterprise requirements

	<ul style="list-style-type: none"> • Document development requirements, timelines and proposed methods/procedures • Obtain authorization to proceed.
7.4.3 Evaluate alternatives, develop analyses and recommend methods and procedures	<ul style="list-style-type: none"> • Investigate possible alternative methods and procedures and choose appropriate method/procedure • Develop and/or adapt analytical method or test procedure to meet requirements • Trial method/procedure against test method/procedure requirements • Validate method/procedure • Maintain records to substantiate and justify chosen method/procedure
7.4.4 Documentation	<ul style="list-style-type: none"> • Prepare and/or update analytical method/procedure and associated SOPs • Obtain final approval for new method/procedure • Withdraw, document and archive superseded method/procedure • Issue new method/procedure as per enterprise procedures.

Learning Outcomes

To successfully complete this unit delegates must be able to demonstrate:

- Prevention.
- Advance warning.
- Early detection.
- Analysis of the problem and assessment of scope.
- Notification of the public and appropriate authorities.
- Mobilisation of a response.
- Containment of damage.
- Relief and medical care for those affected.

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 Research & Data Analysis for Disaster Management training unit is part of the Master's Degree Level 7 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.