



BRITISH SAFETY SERVICES

The NEBOSH International Technical Oil and Gas Certificate

Introduction

The world-wide oil and gas industry is a high risk, high reliability industry extracting hydrocarbons at high temperatures and pressures, often under adverse weather conditions in remote and inaccessible locations. Research has indicated a positive relationship between good health management practices and safety performance (Mearns, Whitaker & Flin).

The International Technical Oil and Gas Certificate (OGC) is a specialist qualification for people in the Oil and Gas industry who are responsible for ensuring good health and safety practices as part of their day to day duties and is designed to provide a sound breadth of underpinning knowledge that enables them to manage operational oil and gas risks effectively. This qualification builds upon the underpinning knowledge already gained by studying either the National or International General Certificate. So this course is targeted at delegates who have successfully completed the NEBOSH National or International General Certificate.

Course Aims

The course focuses on operational process safety, so that candidates can effectively discharge workplace health and safety responsibilities both onshore and offshore throughout the world. It also highlights the importance of process safety management. After just six days of training you will be able to implement strategies to effectively manage risks that exist in the Oil and Gas industry.

Course Syllabus

The course is divided into five elements:

ELEMENT 1: Health, Safety and environmental management in context

1. Learning from Incidents
2. Hazards inherent in oil and gas
3. Risk Management Techniques used in the oil and gas industries
4. Safety cases and safety reports

ELEMENT 2: Hydrocarbon process safety 1

1. Contractor management
2. Process Safety Management (PSM)
3. Role and Purpose of a permit-to-work system
4. Key principles of shift handover
5. Plant operations and maintenance

ELEMENT 3: Hydrocarbon process safety 2

1. Failure modes
2. Safety critical equipment controls
3. Safe storage of hydrocarbons
4. Furnace and boiler operations

ELEMENT 4: Fire protection and emergency response

1. Fire and explosion risk in the oil and gas industries
2. Emergency Response

ELEMENT 5: Logistics and Transport operations

1. Marine Transport
2. Land Transport

Course Style

The primary method of learning will be via guided study and exercises to develop the knowledge and skills required for the final assessment. Considerable use will be made of videos. Homework will be set at the end of every day, which will require 45-90 minutes study per evening. Delegates' progress will be monitored through continuous assessment and evening work.

Assessment

The course consists of one unit, (IOG1) and candidates are assessed by a two hour written examination.

On successful completion of IOG 1 examination a Certificate will be issued.

Results will be advised within 10 weeks of examination date by NEBOSH.

Reference Material

Each delegate will receive a course manual, which is designed to follow and complement the NEBOSH syllabus.

In addition BSS reference books will be available for individual and group work.

Who are NEBOSH?

NEBOSH (the National Examination Board in Occupational Safety and Health), is an independent examining body which was formed in the UK in 1979. NEBOSH has established itself as the authoritative national body in occupational safety and health, and its examinations are regularly sat by candidates from the UK and abroad.

Who are BSS?

BSS staff are specialists in their respective fields, and offer a range of presentation styles and techniques to make attendance as enjoyable and worthwhile as possible.