MARITIME, MARITIME SAFETY & HELICOPTER COURSES

CONTENTS

INTRODUCTION

DRILNET is specialized in the technology transfer in the petroleum and para petroleum sector. Our expertise covers all sectors of the oil industry: Oil, Gas and Energy Project Management, Exploration, Production, Development, Refining and Logistics, but also Safety, Maintenance and Management.

Training is the first activity of our company, that has been accredited since 2000 by the French competent bodies as a training center under the number 93 13 0999613. Thus, we are entitled to offer training services: training engineering (training needs audit, training programs creation, manual editing), conventional training presentation (in premises and on site), coaching (on-the-job training), blended learning and e-learning. In addition to this, DRILNET offers the possibility to train your future trainers.

We are recognized worldwide as an expert in this domain, as we train the personnel of the biggest international petroleum companies. DRILNET develops drilling training programs and trains engineers and technicians of international companies such as ADCO (UAE), BOUMERDES UNIVRSITY (Algeria), COFOR (France), DELTAWELL (Italy), DIETSMANN (Monaco), DRILLMEC (Iraq, Italy), ENI and ENI CORPORATE UNIVERSITY (UAE, Malaysia, Kazakhstan, Iraq, Italy), FORASOL (France), GAZ DE FRANCE (France), GSP (Romania), GTSC (UAE), HALLIBURTON (Algeria), OMV-PETROM (Romania), PRIDE (France, Kazakhstan), POLITECHNICO (Italy), RST GLOBAL SOLUTIONS (Singapore, Netherlands, UAE), SCHLUMBERGER (France, UK, Algeria), SONATRACH (Algeria), TNK-BP ROSNEFT (Russia), TOTAL (France, Syria) and others.

Through our partnerships and associations we provide all existing certifications: **American Safety & Health Institute, AWS, Chartered Institute of Environmental Health, Crane Certification Association of America, Croix Rouge Internationale, Emergency First Response, IADC, IASST, IMI Awards, IOSH Managing Safety, LEEA, MCA, National Safety Council, NEBOSH, NFPA, OPITO, STCW 95, UK Spill, etc.**

DRILNET is a proud Member of the **Society of Petroleum Engineers**, the **International Well Control Forum** and also the **Romanian Association of Drilling Contractors.**

The training catalogue represents an assembly of technical guide sheets. The durations and the subjects introduced can be adapted in accordance with the context and the objectives of the client.

Depending on your needs, you can choose a course in our training catalogue, and we propose to help you to adapt it in accordance with your objectives and your means.

DRILNET offers SAFETY training courses for offshore and maritime operational staff in accordance with STCW95 international standards.

What is STCW?

This is the Standards of Training, Certification & Watchkeeping (STCW) Convention which was drafted in 1978. The Convention prescribes minimum standards relating to training, certification and watchkeeping for seafarers which countries are obliged to meet or exceed.

Since 1995 the amendments completely re-wrote enforcement related to the Convention, and more importantly created an STCW Code that set stringent standards for mariners to meet.

Unlike the original 1978 Convention, the 1995 Amendments required a separate piece of paper to certify that the mariner met the requirements. The STCW Certificate was the result. People get confused about these certificates because there is a 1978 Certificate and a 1995 Certificate. Both of these certificates were created at the same time!!!

The STCW 1978 Certificate means that a mariner was working aboard ship before August 1, 1998 and hasn't completed all of the grandfather requirements, yet. New mariners (1st day aboard ship after Aug. 1, 98) cannot get an STCW 1978 Certificate. They have to comply with all of the Convention requirements! STCW 1995 Certificates are issued to grandfathered mariners after they do the "gap closing" training.

The STCW 95 certificates are registered at the Inspection of Maritime Affairs (France) which is working with the European and International Maritime Organizations.

The Manila amendments to the STCW Convention and Code were adopted on 25 June 2010, marking a major revision of the STCW Convention and Code. The 2010 amendments are set to enter into force on 1 January 2012 under the tacit acceptance procedure and are aimed at bringing the Convention and Code up to date with developments since they were initially adopted and to enable them to address issues that are anticipated to emerge in the foreseeable future.

Among the training standards according to the STCW 95 Certificate there are following training courses:

BST/ Basic Safety Training:

- Proficiency in Elementary First Aid Training Certificate
- Personal Survival Techniques Training Certificate (Rule A-VI/1-1 of STCW 95)
- Personal Safety and Social Responsibility Training Certificate (Rule A-VI/1-4 of STCW 95)
- Basic Fire Fighting Training Certificate

BAEERS / Vocational Certificate for Operations of Boats and Life Rafts (STCW 95 Ch. VI, rule VI/2 §1, section A-VI/2, resolution A891)):

- Proficiency in Elementary First Aid Training Certificate
- Personal Survival Techniques Training Certificate (Rule A-VI/1-1 of STCW 95)
- Personal Safety and Social Responsibility Training Certificate (Rule A-VI/1-4 of STCW 95)
- Introductory Basic Fire Fighting Training Certificate

Other training courses are useful and even compulsory but not certified by STCW 95:

- HUET (Helicopter Underwater Escape Training)
- MES (Marine Escape System Training Certificate)

All certificates STCW 95 have 5-year validity. They could be refreshed during the 4th year after the date of certificate delivery.

The following table gives an example of the training required depending on the qualification level and the type of the staff concerned:

LEVEL	MARITIME STAFF	OFFSHORE STAFF
BASIC	**BAEERS** **HUET** **Marine Escape System**	**BST** **HUET** **Marine Escape System**
ADVANCED	**Basic Fire Fighting** **Advanced Fire Fighting** **Medical Level 2** **Medical Level 3** **Fast Rescue Boat** **General Radio Operator Certificate**	**BAEERS** **Advanced Fire Fighting** **Medical Level 2** **Medical Level 3** **Fast Rescue Boat** **General Radio Operator Certificate**
WITHOUT STCW 95 CERTIFICATION	**Marine Escape System** **HUET** **Helicopter Landing Officer** **Helideck Assistant** **Helicopter Refuelling** **Team Member 1st Response** **Team Member 2nd Response** **Team Leader**	**Marine Escape System** **HUET**
MORE	**Management of Maritime Fire Fighting (STCW 95)**	

MARITIME SAFETY				
Course Title	**Who should attend**	**Certification**	**Duration**	**Content**
Basic Safety Training (BST)	• Offshore and maritime operational staff	STCW 95	5 days	**Page 11**
Personal Survival Techniques	• Offshore and maritime operational staff	STCW 95	2 days	**Page 13**
Sea Survival	• Offshore and maritime operational staff	IASST	1 day	**Page 14**
Personal Safety & Social Responsibility	• Offshore and maritime operational staff	STCW 95	1 day	**Page 15**
Proficiency in Survival Craft & Rescue Boat	• Offshore and maritime operational staff	STCW 95	5 days	**Page 16**
Fast Rescue Boat	• Offshore and maritime operational staff	STCW 95 / IASST	3 days	**Page 17**
Offshore Lifeboat Coxswain	• Offshore and maritime operational staff	IASST / OPITO	4 days	**Page 18**
Boat Bilge Rescue & Evacuation Training	• Offshore and maritime operational staff		3 days	**Page 19**
Proficiency in Elementary First Aid	• Offshore and maritime operational staff	STCW 95	1 day	**Page 20**
Medical Training 1	• Offshore and maritime operational staff	STCW 95	2 days	**Page 21**
Medical Training 2	• Offshore and maritime operational staff	STCW 95	5 days	**Page 22**
Medical Training 3	• Offshore and maritime operational staff	STCW 95	10 days	**-**
Basic Fire Fighting	• Offshore and maritime operational staff	STCW 95 / IADC DIT	3 days	**Page 23**
Advanced Fire Fighting	• Offshore and maritime operational staff	STCW 95 / IADC DIT	5 days	**Page 24**
Fire Team Leader	• Offshore and maritime operational staff	STCW 95	3 days	**Page 25**
Fire Team Member	• Offshore and maritime operational staff	STCW 95	3 days	**Page 26**

MARITIME SAFETY				
Course Title	**Who should attend**	**Certification**	**Duration**	**Content**
Offshore Emergency Response Team Leader (OERTL)	• Offshore and maritime operational staff	OPITO	4 days	**Page 27**
Offshore Emergency Response Team Member (OERTM)	• Offshore and maritime operational staff	OPITO	5 days	**Page 28**
Basic Offshore Safety Induction and Emergency Training (BOSIET)	• Offshore and maritime operational staff	OPITO	3 days	**Page 29**
Tropical Basic Offshore Safety Induction and Emergency Training (T-BOSIET)	• Offshore and maritime operational staff	OPITO	3 days	**Page 30**
Further Offshore Emergency Training (FOET)	• Offshore and maritime operational staff	OPITO	1 day	**Page 31**
Tropical Further Offshore Emergency Training (T-FOET)	• Offshore and maritime operational staff	OPITO	1 day	**Page 32**
Accident & Incident Investigation	• Offshore and maritime operational staff		1 day	**Page 33**
Risk Assessment & Management	• Offshore and maritime operational staff		1 day	**Page 34**
Crisis Management & Human Behaviour	• Maritime operational staff	STCW 95	1 day	**Page 35**
Dangerous, Hazardous & Harmful Cargoes	• Industry and Oil staff		5 days	**Page 36**

MARITIME				
Course Title	**Who should attend**	**Certification**	**Duration**	**Content**
Ship Security Officer (SSO)	• Offshore and maritime operational staff	STCW 95	3 days	**Page 37**
Company Security Officer (CSO)	• Offshore and maritime operational staff	STCW 95	5 days	**Page 38**
Port Facility Security Officer (PFSO)	• Offshore and maritime operational staff	STCW 95	3 days	**Page 39**
General Radio Operator	• Offshore and maritime operational staff	STCW 95	10 days	**Page 40**
Restricted Radio Operator	• Offshore and maritime operational staff	STCW 95	1 day	**Page 41**
Basic Nautical Training	• Offshore and maritime operational staff		4 days	**Page 42**
Water Ways Stability	• Offshore and maritime operational staff		2 days	**Page 43**
Dynamic Positioning Operator	• Offshore and maritime operational staff		5 days	**Page 44**
Dynamic Positioning Induction - Basic	• Offshore and maritime operational staff		4 days	**Page 45**
Dynamic Positioning Simulator - Advanced	• Offshore and maritime operational staff		4 days	**Page 46**
Practical Seagoing Dynamic Positioning	• Offshore and maritime operational staff		3 days	**-**
Training on Dynamic Positioning Vessels	• Offshore and maritime operational staff		6 months	**-**

HELICOPTER				
Course Title	**Who should attend**	**Certification**	**Duration**	**Content**
Helideck Assistant (HDA)	• Offshore and maritime operational staff		1,5 days	**Page 47**
Helicopter Landing Officer (HLO)	• Offshore and maritime operational staff		2 days	**Page 48**
Helicopter Refuelling	• Offshore and maritime operational staff		2 days	**Page 49**
Helideck Fire Fighting (HDFF)	• Offshore and maritime operational staff		1 day	**Page 50**
Helideck Rescue	• Offshore and maritime operational staff		3 days	**Page 51**
Helicopter Underwater Escape Training (HUET)	• Offshore and maritime operational staff	OPITO	1 day	**Page 52**
Tropical Helicopter Underwater Escape Training (T-HUET)	• Offshore and maritime operational staff	OPITO	1 day	**Page 53**
Helicopter Underwater Escape Training and EBS (HUET & EBS)	• Offshore and maritime operational staff	OPITO	1 day	**Page 54**
Tropical Helicopter Underwater Escape Training and EBS (T-HUET & EBS)	• Offshore and maritime operational staff	OPITO	1 day	**Page 55**

The following pages give a non exhaustive list of training Programs.

BASIC SAFETY TRAINING (BST)

Duration: 5 days

Objectives

The 5 days provide an overview of first aid, fire prevention and firefighting, sea survival and some general information about life at sea.

Who should attend

The course will benefit all personnel whose position will include seafaring.

Prerequisite

Physical fitness to perform practical exercises

Program

This five day training package comprises four separate accredited courses:

Personal Survival Techniques

- Abandonment and survival
- Types of life-saving appliances carried on ships
- Personal life-saving equipment
- Survival crafts and survival crafts equipment
- Helicopter safety

Basic Fire Fighting

- Properly don a fire suit
- Properly don and use a Self-Contained Breathing Apparatus (SCBA)
- Using portable fire extinguishers, put out class A, B, and C class fires (this exercise is conducted three times: once for each class of fire)
- Use an all-purpose nozzle for protection and extinguishing fires
- Advancement of hose teams with the team leader giving commands
- Enter an internal space with S.C.B.A. and extinguish fire with fire hose
- Properly enter a watertight door with a fire behind door
- Rescue a victim (165lb. mannequin) from a smoke-filled room wearing an S.C.B.A.
- Take immediate action upon encountering an accident or medical emergency
- Perform an emergency drill in accordance with a station bill
- Identifying what extinguishers to use on what class fire
- Properly ventilate a fire
- Correctly overhaul a fire
- Effectively contain a fire using a suppression system

Elementary First Aid

- Using barriers
- Ensuring scene is safe setup
- Calling EMS
- Primary Assessment of patient
- Checking airway, breathing, circulation, and shock
- Positioning the patient
- CPR
- Stop Bleeding
- Procuring vital signs
- Identifying signs and symptoms for heart problems, stroke, allergic reactions, asthma, poisoning, diabetic, epileptic, and injury assessments
- Treating fractures, head, neck and back injuries
- Treating wounds
- Properly bandaging patient
- Caring for heat and cold exposure
- Treating for burns, scalds, and electrical injuries
- Treat and manage amputations
- Treat and manage bites and stings (marine, animal, human, insects)

Personal Safety and Social Responsibilities

- Understand types of Emergencies and actions to take
- Recognize emergency signals in station bill and use of safety equipment
- Know the values of drills and training
- Understand importance of working safely
- Use appropriate escape routes
- Understand effective communication
- Understand importance of precautions prior to entering a confined space
- Recognize when to use Lock-Out/Tag-Out
- Recognize duties regarding pollution prevention
- Understand policies regarding drug and alcohol abuse
- Know the importance of maintaining appropriate employee relations

Certification

Course certificate STCW95 / Table A-V1/1

PERSONAL SURVIVAL TECHNIQUES

Duration: 2 days

Objectives

This course is designed to give all persons intending to go to sea, in merchant or fishing vessels, the essential basics knowledge and experience of personal survival principles and techniques that can be applied to maximize their chances of survival in the event of a marine incident.

Who should attend

The course will benefit all personnel whose position will include seafaring

Prerequisite

Seafarers are required to be medically fit a regulation STCW 95.regulation I/9

Program

The syllabus focuses on:

- Emergency signals
- Mustering of personnel
- Use of lifejacket
- Use of immersion suits
- Lifeboat procedures
- Modes of evacuation
- Boarding life rafts or buoyant apparatus
- Water survival techniques
- Deployment of life rings and associated equipment

Certification

Course certificate STCW95 / Table A-V1/1

SEA SURVIVAL

Duration: 1 day

Objectives

To understand how to use the equipment and how to help yourself it is a well-proven fact that, in the event of an emergency at sea, people with training are more likely to survive.

Who should attend

Personnel working at sea

Prerequisite

None

Program

An important part of the course is a practical session in a swimming pool. Experience first hand the problems of entering an uncooperative life craft and assisting others while fully kitted out in wet weather gear and a lifejacket.

- Life crafts and the equipment they contain
- Survival techniques
- The design of lifejackets
- Medical aspects of sea survival
- Search and rescue techniques

Certification

IASST

PERSONAL SAFETY& SOCIAL RESPONSIBILITY

Duration: 1 day

Objectives

To provide seafarers with the knowledge and skills needed to maintain a safe working environment while successfully relating and responding to others in a social manner.

Who should attend

The course will benefit all personnel whose position will include seafaring

Prerequisite

None

Program

- Knowledge of shipboard contingency plans
- Emergency signals, muster station, use of personnel equipment.
- Action to take for potential emergency, fire, collision, ingress of water, hearing emergency signal
- Knowledge of escape routes and internal communication
- Value of training
- Effects of pollution of the marine environment
- Basic environmental protection procedures
- Safe working practices.
- Safety protective devices
- International measures concerning accident prevention
- Ability to understand orders and communicate
- Importance of maintaining good human and working relationships
- Individual rights and obligations, dangers of drug and alcohol abuse

Certification

Course certificate STCW95 / Table A-V1/1 -4

PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOAT

Duration: 5 days

Objectives

On completion of the training, the delegates will have knowledge of the construction and function of different types of survival craft, rescue boats and associated equipment and be able to:

- ✓ Take charge of a survival craft or rescue boat during and after launch and upon recovery. manage survivors and survival craft after abandoning ship
- ✓ Manage injured persons, including the control of bleeding and shock.

Who should attend

This training is intended for seafarers that are required to take charge of a survival craft or a rescue boat in emergency situations during and after launch

Prerequisite

Seafarers are required to be medically fits per Regulation 1/9 of STCW95

Program

- ➢ Construction and outfit of survival craft and rescue boats and individual items of their equipment
- ➢ Particular characteristics and facilities of survival craft and rescue boats
- ➢ Various types of device used for launching survival craft and rescue boat
- ➢ Methods of launching survival craft into a rough sea
- ➢ Methods of recovering survival craft
- ➢ Action to be taken after leaving the ship
- ➢ Methods of launching and recovering rescue boats in a rough sea.
- ➢ Radio life-saving appliances carried in survival craft, including satellite EPIRBs and SARTs
- ➢ Pyrotechnic distress signals
- ➢ Use of the first-aid kit and resuscitation techniques
- ➢ Management of injured persons, including control of bleeding and shock.

Certification

Course certificate STCW95 / Table A-VI/2-1

FAST RESCUE BOAT

Duration: 3 days

Objectives

This course provides a " hand-on " experience in the launch and operation of a typical fast rescue boat, the conduct of effective search patterns, and the recovery of victim in various weather and sea conditions. This course meets all the STCW'95 requirements.

Who should attend

- Person in charge of the search & rescue team.
- According the minimum safe manning scales

Prerequisite

- A certificate in proficiency of survival Craft & Rescue boat.
- A basic training.

Program

- Construction and outfit of survival craft and rescue boats and individual items of their equipment
- Particular characteristics and facilities of survival craft and rescue boats
- Various types of device used for launching survival craft and rescue boat
- Methods of launching survival craft into a rough sea
- Methods of recovering survival craft
- Action to be taken after leaving the ship
- Methods of launching and recovering rescue boats in a rough sea.
- Radio life-saving appliances carried in survival craft, including satellite EPIRBs and SARTs
- Pyrotechnic distress signals
- Use of the first-aid kit and resuscitation techniques
- Management of injured persons, including control of bleeding and shock

Certification

STCW 95 / IASST

OFFSHORE LIFEBOAT COXSWAIN

Duration: 4 days

Objectives

The training Program consists of theoretical and practical initial training including coaching to prepare the delegates to take up duties as an offshore lifeboat coxswain, then continue their learning process with installation specific training.

Who should attend

This OPITO / IASST approved training Program is designed to meet the OPITO / IASST guidelines for safety and contingency training for personnel designated to undertake coxswains duties on an installation survival craft (TEMPSC). After completing the course delegates should be able to prepare rescue craft equipment for use, organize boarding, safely operate lower and release equipment, manoeuvre and lead the recovery operation on the water, then continue with further offshore installation specific training.

Prerequisite

Delegates must have attended either a Basic Offshore Safety Induction & Emergency Training (BOSIET) or Further Offshore Emergency Training (FOET), and be in possession of a valid certificate.

Program

- Maintain operational readiness of the craft
- Contribute to drills and exercises
- Preparation of self and craft
- Boarding and launching of craft
- Safe launching procedures
- Handling and moving the craft to a safe location
- Personal safety & Equipment
- Communications
- Stay in lifeboat
- Recovery of people from the sea
- Relevant life support and first aid
- Rescue and recovery

Certification

IASST / OPITO

BOAT BILGE RESCUE & EVACUATION TRAINING

Duration: 3 days

Objectives

To make known to firefighters and seafarers different types of evacuation of injured persons from the boat's bilge or in unsafe environment

Who should attend

All companies and institutions staff

Prerequisite

None

Program

- Injured persons evacuation from hardly accessible places such as boat's bilge, slipway, etc
- Casualty movement using a corset evacuation carrier
- Rescue of casualties using ropes, straps, rescue kit
- First Aid equipment use
- Preparation for winching up the helicopters
- Reminders of first aid definitions

PROFICIENCY IN ELEMENTARY FIRST AID

Duration: 1 day

Objectives

This course is a combination of theory and practical training for basic first aid and life-saving skills. It is designed to provide trainees with a basic knowledge of the immediate action to be taken upon encountering an accident or other medical emergency aboard ship.

Who should attend

The course will benefit all personnel whose position will include seafaring

Prerequisite

None

Program

- Taking immediate action upon encountering an accident or other medical emergency
- Knowledge, understanding and proficiency in basic first aid
- Assessing the needs of the casualty and threats to your own safety
- Appreciation of body structure and functions
- Understanding the immediate measures to be taken in case of an emergency
- Positioning a casualty
- Applying resuscitation techniques
- Controlling bleeding
- Basic shock management
- Applying appropriate measures in event of burns and scalds
- The rescue and transport of a casualty
- Improvising bandages and using your emergency kit

Certification

Course certificate STCW95 / Table A-VI/3

MEDICAL TRAINING - LEVEL 1

Duration: 2 days

Objectives

To train seafarers in accordance with 1st level instruction

Who should attend

All Companies and Institutions staff

Prerequisite

None

Program

- Drawing up a balance sheet
- Blood pressure
- Controlling a haemorrhage
- Put an injured person in the lateral safe position
- Treating wounds and burns
- Stopping a haemorrhage
- Treating a drowning, an hypothermia in emergency
- Clearing the breathing ducts free
- Making an arterial ventilation with the equipment, oxygen therapy, inhalation, insufflations
- Making an external cardiac massage
- Carrying out immobilizations (scarves, casts, cervical collar)
- Picking up a casualty (the “Dutch bridge”, the simple bridge, the improved bridge)

STRETCHERING

- Using emergency evacuation mattress
- Using a corset evacuation carrier
- Preparing an injured person to a helicopter transport

MEDICAL TRAINING - LEVEL 2

Duration: 5 days

Objectives

To provide staffs working on board of armed merchant ships and yachts with a 2nd level of medical training.

Who should attend

All companies and institutions

Prerequisite

None

Program

SE I

- Respecting the asepsis rules
- Cleaning wounds and using an antiseptic
- Putting narrow bandages or stitches
- Dressing wounds

SE 2

- Measuring blood pressure
- Taking body temperature
- Making an urinalysis with urine dipsticks
- Making a glycaemia test with reactive narrow bandage

SE 3

- Administering medicines by oral pulverization, inhalation, nebulation
- Preparing a parenteral injection
- Making a subcutaneous injection, an intramuscular injection

CT I CARES ABOARD

- Medical assistance organization on sea
- Role of the captain who is responsible of cares
- Role of the maritime medical consultations centre
- Operational procedures of medical assistance on sea
- Cares aboard ships and medical teleconsultation
- Management and use of medical donations
- Use of the “ship medical guidebook”
- Draft of medical files
- Procedures of the medical teleconsultation

BASIC FIRE FIGHTING

Duration: 3 days

Objectives

To be able to carry out an investigation and extinguish a starting fire;

Who should attend

All Companies and Institutions staff

Prerequisite

- Medical clearance
- Medical approval for wearing a self-contained breathing apparatus
- Practice of fire exercises on real fire

Program

THEORETICAL TRAINING

- Fires and explosions
- Combustion
- Extinguishing agents
- Fire prevention
- Fire-fighting detectors
- Fixed equipments
- Self-Contained Breathing Apparatus (ARI)
- General operations running

PRACTICAL TRAINING

- Log equipment
- Cloud smoke / heat course
- Deep fryer fire extinction
- Extinction of a tub fire in teams using a diffused jet fire hose
- Handlings of fire hoses
- Course with a life line
- Fire fighting using ARI in smoky space
- Rescue exercises using a stretcher

ADVANCED FIRE FIGHTING

Duration: 5 days

Objectives

To provide participants with the skills and knowledge required to respond effectively as a key member of the on board command fire fighting team and manage shipboard fire prevention, co-ordinate tactical fire fighting and use and maintain fire fighting and fire detection equipment carried on merchant ships.

Who should attend

All Companies and Institutions

Prerequisite

- Medical clearance
- Medical approval for wearing a self-contained breathing apparatus
- Practice of fire exercises on real fire
- BFF certificate obtained

Program

THEORETICAL TRAINING

- On-board safety principles
- Review of theory of fire
- Operations organization
- Safety organization exercise
- General Operations Progress
- Management of attack places
- Settlement of calling role
- Tactical reasoning exercise
- Management of stability and smokes

PRACTICAL TRAINING

- Urgent cares review
- Casualty movement using stretchers exercise
- Command exercise
- On-board exercises
- Rescue team organization
- Management of command

FIRE TEAM LEADER

Duration: 3 days

Objectives

The purpose of the course is to qualify the course participant in such a way that he/she will be able to act as fire chief during fire fighting on vessels.

Who should attend

Maritime personnel who shall be part of the fire chief preparedness

Prerequisite

Valid health certificate (maximum 1 year old) is required.

Program

- Special conditions in relation to fire on vessels
- Managerial functions during fire and in daily life
- Communications paths during fire fighting
- Plan, carry out and evaluate a minor fire drill
- Smoke-helmeted fireman technique/-tactic
- Chief during a fire service drill during a fire on vessel

Certification

STCW-95 / Table A-VI/1-2

FIRE TEAM MEMBER

Duration: 3 days

Objectives

To give the course participant necessary knowledge and appreciation to be able to be part of the fire fighter/smoke-helmeted fireman preparedness on vessels.

Who should attend

Maritime personnel who shall be part of the fire chief preparedness

Prerequisite

Valid health certificate (maximum 1 year old) is required.

Program

- Combustion theory
- Extinguishment theory
- Function and use of extinguishing agents
- Various nozzles and foam equipment
- Portable fire extinguishers
- Breathing organs and the various conditions of the breathing functions
- Breathing poison
- Construction of the compressed air apparatus and its function
- Compressed air apparatus in relation to rescue and fire on vessels

Certification

STCW-95 / Table A-VI/1-2

OFFSHORE EMERGENCY RESPONSE TEAM LEADER (OERTL)

Duration: 4 days

Objectives

The aims and objectives of the Initial Training Program are to equip the delegate with the necessary knowledge, understanding and skills to perform the role of Emergency Response Team Leader effectively.

Who should attend

This Program is designed to meet the initial onshore training and assessment requirements for an Offshore Emergency Response Team Leader (OERTL) in the oil and gas industry.

Prerequisite

Delegates attending this course must possess a valid Offshore Emergency Response Team Member Training (OERTM) certificate.

Due to certain aspects of the course being physically demanding and potentially stressful, delegates will be required to confirm their medical fitness & physical ability to participate on this course by completing our centre medical self-screening form prior to course commencement.

Program

- The role of the Emergency Response Team Leader
- Offshore emergency response activities
- Elements of teamwork and leadership
- Communication requirements for offshore incidents
- How to brief and debrief team members
- The requirements to initiate servicing of equipment and to replenish stocks
- Establishing and maintaining communications including equipment and procedures
- Allocating and confirming the team's duties and tasks
- Operation and use of firefighting and rescue equipment
- Operation and use of breathing apparatus
- Monitoring the team's progress, evaluating, adjusting and communicating the response plan
- Monitoring stress in self and others
- Debriefing the team

Certification

OPITO

OFFSHORE EMERGENCY RESPONSE TEAM MEMBER (OERTM)

Duration: 5 days

Objectives

The aims and objectives of the Initial Training Program are to equip the delegate with the necessary knowledge, understanding and skills to perform the role of Emergency Response Team Member effectively.

Who should attend

This Program is designed to meet the initial onshore training and assessment requirements for an Offshore Emergency Response Team Member (OERTM) in the oil and gas industry

Prerequisite

Attendance on this training Program is open to delegates who can provide proof of the following course prerequisites:

- A valid Basic Offshore Safety Induction and Emergency Training (BOSIET) or Further Offshore Emergency Training (FOET) / T-BOSIET/T-FOET certificate
- Due to certain aspects of the course being physically demanding and potentially stressful, delegates will be required to confirm their medical fitness & physical ability to participate on this course by completing our centre medical self-screening form prior to course commencement

Program

- Offshore Emergency Response arrangements including the role of the Emergency Response Team Member
- Incident planning and incident monitoring activities
- Operation of fixed fire systems including extinguishing a fire and/or securing an area
- Emergency response team operations when dealing with non-fire incidents
- Preparing to enter and gaining access to the incident area using best working practices and procedures
- Locating missing personnel and handling and removing casualties
- Selecting and using portable firefighting equipment
- Selecting, operating and flushing foam firefighting equipment
- Conducting and controlling breathing apparatus operations
- Minimizing damage to property and maintaining communications

Certification

OPITO

BASIC OFFSHORE SAFETY INDUCTION & EMERGENCY TRAINING (BOSIET)

Duration: 3 days

Objectives

The aim of the BOSIET is to introduce delegates to the specific safety issues and regimes relevant to offshore installations, and to equip them with the basic emergency response knowledge and skills for travelling to and from offshore installations by helicopter.

Who should attend

This training Program is designed to meet the initial offshore safety and emergency response training requirements for personnel new to the offshore oil and gas industry.

Program

Delegates will receive theoretical and practical knowledge in the following areas:

- Safety induction: Offshore hazards, their control and consequences. Waste disposal/ environmental awareness. How offshore safety is regulated. How offshore safety is managed. Procedures for prescribed medicines. Alcohol and substance abuse policy. PPE requirements. Procedures for reporting incidents, accidents and near misses. Role of the medic.

- Helicopter safety & escape: Pre boarding. Safe boarding. In flight safety. Safe disembarkation. In flight emergency actions. Use of emergency breathing system equipment. Practical emergency escape breathing system training. Practical emergency ditching and escape training.

- Sea survival: Abandonment theory and practical sea survival training. Actions for mustering and boarding of a survival craft and actions as a passenger during launching operations. Use of helicopter rescue strops and winching procedures. Emergency First Aid including C.P.R.

- Fire fighting and self rescue: Nature and causes of fire. Fixed systems and response. Use of hand held extinguishers. Operation of fixed hose reels. Self rescue techniques in reduced visibility and completely obscured visibility. Use of escape hoods.

TROPICAL BASIC OFFSHORE SAFETY INDUCTION & EMERGENCY TRAINING (T-BOSIET)

Duration: 3 days

Objectives

The aim of the T-BOSIET is to introduce delegates to the specific safety issues and regimes relevant to offshore installations, and to equip them with the basic emergency response knowledge and skills for travelling to and from offshore installations by helicopter in a tropical environment.

Who should attend

This training Program is designed to meet the initial offshore safety and emergency response training requirements for personnel new to the offshore oil and gas industry in a tropical environment.

Program

Delegates will receive theoretical and practical knowledge in the following areas:

SAFETY INDUCTION

- Offshore overview specific to tropical regions.
- Offshore hazards, their control and consequences.
- Waste disposal/environmental awareness. How offshore safety is regulated. How offshore safety is managed. Procedures for prescribed medicines. Alcohol and substance abuse policy.
- PPE requirements.
- Procedures for reporting incidents, accidents and near misses. Role of the medic.
- Helicopter safety & escape:
- Pre boarding. Safe boarding. In flight safety. Safe disembarkation. In flight emergency actions.
- Practical emergency ditching and escape training.

SEA SURVIVAL

- Abandonment theory and practical sea survival training. Actions for mustering and boarding of a survival craft, and actions as a passenger during launching operations. Use of helicopter rescue strops and winching procedures. Emergency First Aid including CPR.

FIRE FIGHTING AND SELF RESCUE

- Nature and causes of fire. Fixed systems and response. Use of hand held extinguishers.
- Operation of fixed hose reels. Self rescue techniques in reduced visibility and completely obscured visibility. Use of escape hoods.

FURTHER OFFSHORE EMERGENCY TRAINING (FOET)

Duration: 1 day

Objectives

The aim of the FOET is to provide the delegates with the opportunity to practice and demonstrate emergency response skills which are not possible to practice during drills, exercises and emergency training offshore.

Who should attend

This Program is designed to meet the further offshore safety and emergency response training requirements for personnel working in the offshore oil and gas industry.

Prerequisite

- In-date OPITO-approved BOSIET or T-BOSIET, or FOET or T-FOET certificate
- All delegates will be asked to complete a medical questionnaire prior to course commencement.

Program

Delegates will receive theoretical and practical knowledge in the following areas:

HELICOPTER SAFETY & ESCAPE

- Use of Emergency Breathing System (EBS) equipment.
- Practical emergency escape training with EBS.
- Practical emergency ditching and escape training with the use of EBS.

FIRE FIGHTING AND SELF RESCUE

- Use of hand held extinguishers.
- Operation of fixed hose reels.
- Self rescue techniques in reduced visibility and completely obscured visibility.
- Use of escape hoods.

EMERGENCY FIRST AID

- Raising the alarm.
- Immediate First Aid actions including "ABC".

TROPICAL FURTHER OFFSHORE EMERGENCY TRAINING (T-FOET)

Duration: 1 day

Objectives

The aim of the T-FOET is to provide the delegates with the opportunity to practice and demonstrate emergency response skills which are not possible to practice during drills, exercises and emergency training offshore.

Who should attend

This Program is designed to meet the further offshore safety and emergency response training requirements for personnel working in the offshore oil and gas industry in a tropical environment.

Prerequisite

- In-date OPITO-approved BOSIET or T-BOSIET, or FOET or T-FOET certificate
- All delegates will be asked to complete a medical questionnaire prior to course commencement.

Program

The course focuses on the following elements:

HELICOPTER SAFETY & ESCAPE

- Update on offshore safety specific to tropical regions. Use of emergency breathing system equipment. Practical emergency escape breathing system training. Practical emergency ditching and escape training.

FIRE FIGHTING AND SELF RESCUE

- Use of hand held extinguishers. Operation of fixed hose reels. Self rescue techniques in reduced visibility and complete obscured visibility.
- Use of escape hoods.

EMERGENCY FIRST AID

- Raising the alarm.
- Immediate first aid actions including ABC

ACCIDENT & INCIDENT INVESTIGATION

Duration: 1 day

Objectives

To enable organizations to meet their moral and legal obligations to investigate accidents and incidents, to identify their root causes and learn from safety failure

This one-day course will provide delegates with a broad understanding of the accident investigation process, looking at the benefits of accident prevention and putting the emphasis on practical training exercises and real-life case studies.

Who should attend

Training is suitable for line managers, supervisors, safety representatives – and anyone with the responsibility for investigating accidents.

Prerequisite

None

Program

- Principles of accident investigation
- Benefits of accident prevention
- Basic concepts of human factors
- Accident reporting and scope of investigation
- Accident investigation techniques
- Stages of accident investigation
- Practical exercises and case study

RISK ASSESSMENT & MANAGEMENT

Duration: 1 day

Objectives

The 1 day training course provides detailed guidance and methodology on the use of risk assessment as a tool to identify, evaluate and control risks in the workplace to create safe and healthy work environment in the workplace. The objective of the course is to equip the participants with the knowledge and skills that would enable them to apply the system for the conduct of risk assessments within their workplaces and the process of managing the risk assessments.

The course Program led the participants through the process of simple risk assessment and then developed those skills through the application of risk assessment to the most common health and safety issues such as workplace risk assessment, safe working at height, machinery safety, chemical safety, etc..

Who should attend

Our course is suitable for anyone with responsibility for undertaking risk assessments a management, particularly line managers, supervisors and safety representatives.

Prerequisite

None

Program

This one-day risk assessment training course puts the emphasis on practical exercises and covers:

- An introduction to risk assessment
- Legal requirements
- Hazards
- Risks
- Objectives of risk assessments
- The five stages of risk assessment
- Practical exercises

CRISIS MANAGEMENT & HUMAN BEHAVIOUR

Duration: 1 day

Objectives

This 1 day course is designed for any person who has responsibility for the safety of passengers in emergency situations. This course will include practical and theory training.

Who should attend

This course is suitable for masters, chief officers, chief engineer officers, second engineer officers and any person having responsibility for the safety of passengers in an emergency.

Prerequisite

None

Program

- Shipboard emergency plans
- Ship design & layout
- Emergency plans & legislation
- Shipboard emergency procedures
- Identification of stress
- Communication
- Control methods for situations involving passengers and crew members

Certification

STCW 95

DANGEROUS, HAZARDOUS & HARMFUL CARGOES

Duration: 5 days

Objectives

Trainees successfully completing this course will thereby enabled to contribute to the preparation and execution of the safe carriage of dangerous goods and marine pollutants by sea, will understand the legal implications of and correctly apply or verify compliance with the rules in force.

Who should attend

The course is intended for:

- seafaring personnel responsible for the cargo handling of packaged dangerous, hazardous and harmful cargoes (hereafter referred to as “dangerous goods”) aboard ships
- Shore based personnel (including Competent Authority and similar personnel) responsible for the transport of dangerous goods by sea and involve in any of the aspects set out below.

Prerequisite

None

Program

The course will include but is not limited to:

- Classification
- Packaging
- Consignment procedures
- Loading, segregation

SHIP SECURITY OFFICER (SSO)

Duration: 3 days

Objectives

A Ship Security Officer (SSO) is responsible for the security of the ship and for maintaining the Ship Security Plan, set out by the shipping company. To do so, he or she must have knowledge of, and have received training in a range of competencies listed in the ISPS Code Part B Article 13.1. Our SSO Course is designed to meet this requirement.

Who should attend

Ship Captains and Officers

Prerequisite

This course has been very popular with security consultants and military service leavers looking to begin a career in maritime security. It is important to highlight that only those who can prove 12 months sea service will be issued with the SSO certificate.

Program

The aim of this training Program is to provide a Ship Security Officer with the knowledge and skills to carry out his/her duties as a designated Ship Security Officer, in accordance with the International Ship and Port Facility Code. The course includes:

- ISPS Code background & introduction
- Maritime security threats
- ISPS duties & responsibilities
- Maritime security levels
- The ship security assessment
- The ship security plan
- Security verification & certification
- Interaction with vessels, authorities & ports
- Training, drills & exercises
- Training the trainer
- Suspicious persons & behaviour & circumvention of security
- Weapons & explosives
- Practical protective measures & contingency planning (including anti piracy procedures & drills)
- Documents, records, communications & confidentiality

COMPANY SECURITY OFFICER (CSO)

Duration: 5 days

Objectives

At the end of the course, participant would be able to:

- ✓ Assume the responsibilities and perform the duties of the CSO.
- ✓ Conduct ship security assessment and use findings to develop a ship security plan.
- ✓ Conduct security internal audits and reviewing of security activities.
- ✓ Develop and ensure maintenance of the Ship's Security Manual, Security and Training Plans.
- ✓ Conduct shipboard security briefings, training, drills and exercises as a competent trainer.
- ✓ Enhance security awareness and vigilance.

Who should attend

Offshore and maritime operational staff

Prerequisite

There are no formal entry requirements however candidates are expected to have a prior knowledge of maritime operations.

Program

- ➢ Introduction to Maritime Security Threats and Requirements of the ISPS Codes
- ➢ Security Threats and Counter-measures
- ➢ Vulnerability Assessment & Risk Management Methodology
- ➢ Operations Counter- Threat Security Programs & Standards
- ➢ Developing / Implementing Ship Security Manual & Security Plans
- ➢ Company Security Officers as Security Trainers

PORT FACILITY SECURITY OFFICER (PFSO)

Duration: 3 days

Objectives

This course is designed to meet the requirements for training laid out in the International Ship and Port Facility Security Code (ISPS Code) and the guidance laid out in the SOLAS Regulations 1974. The Port Facility Security Officer position was formalized under the regulations listed above and the training has become mandatory for all those wishing to fulfil the role of the Port Facility Security Officer at facilities servicing vessels involved in international transits.

Who should attend

This course is suitable for those employed in the port sector of the maritime industry seeking to engage in aspects of security, or who are seeking to become employed as a Port Facility Security Officer. It is also suitable for security professionals seeking to expand their employability or consultancy skills into the burgeoning maritime oil & gas security sectors. In particular many new entrants to the maritime security sector would be expected to possess this qualification prior to employment or contracting.

Prerequisite

There is no prior training or experience required. However, basic literacy and numeracy are required due to course content & knowledge of the maritime industry would be useful.

Program

The course is run over 3 days and covers:

- ISPS Code background & introduction
- Maritime Security Threats
- ISPS Duties & Responsibilities
- Maritime Security Levels
- The Port Facility Security Assessment
- The Port Facility Security Plan
- Security Verification & Certification
- Interaction with Vessels
- Training, Drills & Exercises
- Training the Trainer
- Suspicious Persons & Behaviour & Circumvention of Security
- Weapons & Explosives
- Practical Protective Measures & Contingency Planning
- Documents, Records, Communications & Confidentiality

GENERAL RADIO OPERATOR

Duration: 10 days

Objectives

A trainee successfully completing this course and passing the prescribed examination will be enabled to efficiently operate the GMDSS (Global Maritime Distress and Safety System) equipment and to have primary responsibility for radio-communications during distress incidents. Training will also be provided in techniques to avoid the unintentional transmission of false distress alerts and the procedures to use in order to mitigate the effects of false distress alerts following unintentional transmission.

Who should attend

Offshore and maritime operational staff

Prerequisite

Medical fitness

Program

- Introduction
- Principles of maritime radio communications
- GMDSS communication systems
- Other GMDSS equipment
- Distress alerting
- Operational procedures for general communications
- Assessment and discussion
- Final examination for the certification

RESTRICTED RADIO OPERATOR

Duration: 1 day

Objectives

This course represents the minimum requirement for commercial operators and users of MF/HF (SSB) radio. Its objective is to learn correct MF/HF (SSB) radio operation.

Who should attend

Offshore and maritime operational staff

Program

ROUTINE OPERATION

- Common features & functions
- Pro-words & phonetic alphabet
- Call signs & channel allocation
- MF/HF (SSB) operation
- Frequency allocation
- Radio propagation

SAFETY

- Trip reports
- Weather information
- Security

DISTRESS & URGENCY

- "Mayday" & "Pan" calls
- EPIRB and SAR
- Alarm signal

BASIC NAUTICAL TRAINING

Duration: 4 days

Objectives

To provide offshore personnel with knowledge in Maritime legislation and skills for safe transit, station keeping and mooring of MOU. According the training matrix, Navigation, Marine regulation, dangerous goods

Who should attend

OIM / Barge Supervisor / Barge engineer / BCO

Prerequisite

None

Program

- Cargo and storage
- Colreg
- IMDG
- IMO
- ISM
- Load lines
- MARPOL
- MERSAR
- Weather report
- Navigation Lights
- Navigation
- Offshore
- SOLAS

WATER WAYS STABILITY

Duration: 2 days

Objectives

To provide the participants with knowledge of stability of vessels and waterways: vessels, intervention methods.

Who should attend

All companies and institutions staff

Prerequisite

None

Program

THEORETICAL TRAINING

- Maritime environment
- Vessel building
- Vessel stability
- Intervention methods and tactics
- System of command
- Waterways

PRACTICAL TRAINING

- Aboard intervention exercises on a waterway

DYNAMIC POSITIONING OPERATOR

Duration: 5 days

Objectives

After the course, the successful participants are able to:

- ✓ Define the principles of DP
- ✓ Recognize the component parts of a DP system
- ✓ Understand the relationship between vessel movement, position reference systems, sensors, computers, propulsion units and feedback.
- ✓ Understand the concept of redundancy
- ✓ Understand the DP modes of control
- ✓ Describe the operation of sensors and common position reference systems
- ✓ Describe the operation of computers
- ✓ Describe propulsion units, types and configurations
- ✓ Understand power supply, redundancy and management
- ✓ Practice communication and watch handover procedures

Who should attend

Navigators, DP operator trainees and other users of DP systems who would like to start the Nautical Institute's DP Operator Certification Scheme.

Prerequisite

With reference to NI's circular 004/2011, dated 02.12.2011.

- The Minimum qualification to be set at STCW Regulation II/1 - II/2 - II/3 Deck and Regulation III/1 - III/2 - III/3 Engine.
- Alternative appropriate marine vocational qualification will be considered on a case by case basis.
- Prospective DPOs, who are in the process of training for an STCW certificate, can start the DP scheme and complete the course and 30 days Familiarization only.

Program

The training will be a combination of theoretical lessons and practical exercises. During the course each participant will have his own operator station with generic DP software.

- ➢ Definition of DP, elements of the DP system, DP systems redundancy, and DnV Class Requirements
- ➢ Functions of the DP system, and DP principles
- ➢ Different types of DP vessels and DP operations, sensors and use of sensor inputs
- ➢ Introduction to position reference systems and the DP system's use of position measurements
- ➢ Vessel capability, DP consequence analysis and DP capability analysis
- ➢ Thrusters and manoeuvring systems
- ➢ Power systems and Blackout Prevention
- ➢ Operational procedures for DP operation, and procedures for operating the DP system
- ➢ Study of DP incidents
- ➢ Principal use of the DP system

DYNAMIC POSITIONING INDUCTION BASIC

Duration: 4 days

Objectives

The DP training classroom is a state of the art facility for dynamic positioning practical simulation as well as theory. At the end of the course the student should have acquired knowledge of the principles of Dynamic Positioning, be able to set up a dynamic positioning system and have an understanding of the practical operation of associated equipment, including position reference systems. He/she should be able to recognize and respond to the various alarms, warning and information messages. He/she should also be able to relate the DP installation to the ship system, e.g. power supply, manoeuvring facility, available position reference systems and nature of work. He/she should also be able to relate DP operations to the existing environmental conditions of wind, sea state, current and vessel movement.

Who should attend

Dynamic positioning training is recommended for deck and engineering officers working on any type vessel equipped with the system and is required for vessels which are classed as DP vessels.

Prerequisite

The sea time recorded before the introduction course will be only accepted up to a maximum of 30 days. These 30 days allow employers to continue the practice of evaluating prospective DPOs prior to attending an induction course.

Candidates must hold one of the following Certificates of Competency or be in training towards the issuance of an acceptable CoC. Due to the requirement, one of the following certificates of competency or proof that you are in the process of obtaining an STCW qualification must be presented to register for the DP Course.

- II/1 Deck Officers in charge of a navigational watch on ships of 500 GRT or more.
- II/2 Deck Master and chief mate on ships of 3,000 GRT or more.
- II/3 Deck Officers in charge of a navigational watch and of masters on ships of less than 500 GRT.
- III/1 Engine Officers in charge of an engineering watch in a manned engine room or designated duty engineers in a periodically unmanned engine room.
- III/2 Engine Chief engineer officers and 2nd engineer officers on ships powered by main propulsion machinery of 3,000kw propulsion power or more.
- III/3 Engine Chief engineer officers and 2nd engineer officers on ships powered by main propulsion machinery of between 750kw and 3,000 kw propulsion.

Alternative qualifications are considered on a case by case basis.

Program

This course involves both theory and practice on a simulated DP system and covers the following topics:

- Principles of DP
- Elements of the DP System
- Practical Operation of the DP System
- Position Reference Systems
- Environment Sensors and Ancillary Equipment
- Power Generation / Supply / Propulsion
- DP Operations

DYNAMIC POSITIONING SIMULATOR ADVANCED

Duration: 4 days

Objectives

The DP training classroom is a state of the art facility for dynamic positioning practical simulation as well as theory. At the end of the course the student should have acquired knowledge of the principles of Dynamic Positioning, be able to set up a dynamic positioning system and have an understanding of the practical operation of associated equipment, including position reference systems. He/she should be able to recognize and respond to the various alarms, warning and information messages. He/she should also be able to relate the DP installation to the ship system, e.g. power supply, manoeuvring facility, available position reference systems and nature of work. He/she should also be able to relate DP operations to the existing environmental conditions of wind, sea state, current and vessel movement.

Who should attend

Dynamic positioning training is recommended for deck and engineering officers working on any type vessel equipped with the system and is required for vessels which are classed as DP vessels.

Prerequisite

The sea time recorded before the introduction course will be only accepted up to a maximum of 30 days. These 30 days allow employers to continue the practice of evaluating prospective DPOs prior to attending an induction course. The time in excess of the 30 days between the Induction / Basic and the Advanced / Simulator course will normally be counted towards the required 6 months DP watch keeping experience.

Candidates must hold one of the following Certificates of Competency or be in training towards the issuance of an acceptable CoC. Due to the requirement, one of the following certificates of competency or proof that you are in the process of obtaining an STCW qualification must be presented to register for the DP Course.

- II/1 Deck Officers in charge of a navigational watch on ships of 500 GRT or more.
- II/2 Deck Master and chief mate on ships of 3,000 GRT or more.
- II/3 Deck Officers in charge of a navigational watch and of masters on ships of less than 500 GRT.
- III/1 Engine Officers in charge of an engineering watch in a manned engine room or designated duty engineers in a periodically unmanned engine room.
- III/2 Engine Chief engineer officers and 2nd engineer officers on ships powered by main propulsion machinery of 3,000kw propulsion power or more.
- III/3 Engine Chief engineer officers and 2nd engineer officers on ships powered by main propulsion machinery of between 750kw and 3,000 kw propulsion.

Alternative qualifications are considered on a case by case basis.

Program

This course involves principally simulated DP operations including errors, faults and failures giving the participants the opportunity to apply the lessons learned in both the Induction/Basic course and the seagoing DP familiarization. It covers the following topics:

- Practical Operation of the DP System
- DP Operations
- DP Alarms, Warnings and Emergency Procedure

HELIDECK ASSISTANT (HDA)

Duration: 4 days

Objectives

By the end of this training Program delegates will be:

- ✓ Aware of the relevant regulations regarding offshore helidecks.
- ✓ Familiar with the use and limitations of emergency equipment.
- ✓ Capable of identifying different helicopter types and their specific requirements and hazards.
- ✓ Aware of helideck best practices and able to adhere to them.
- ✓ Capable of working as part of a helideck team and assist in routine and emergency situations.
- ✓ Able to use and maintain helideck equipment.
- ✓ Conversant with helideck design, markings and signalling systems.
- ✓ Able to respond to emergency situations under supervision.
- ✓ Capable of assisting in helicopter refuelling operations.

Who should attend

All personnel who are, or intend to become, part of an offshore helideck team.

Program

The course will: train delegates in the correct procedures to be followed when involved in offshore helideck operations – in both routine and emergency response situations and in the relevant regulations. The course is a mix of theoretical and practical sessions, during which delegates will be required to demonstrate their level of knowledge and understanding of the training Program content.

HELICOPTER LANDING OFFICER (HLO)

Duration: 2 days

Objectives

This course is designed to meet the initial training requirements including emergency response, for Offshore Helicopter Landing Officers (HLO). Successful completion of the course will demonstrate the achievement of a level of competence enabling the participant to work as an offshore HLO, under the supervision of a competent HLO for further installation specific training and development.

Who should attend

This course concerns persons who have previous experience as Helideck Assistants offshore or similar experience onshore.

Prerequisite

All delegates must be in possession of an emergency Helideck Team member (or equivalent) certificate and a VHF certificate.

Program

During this course participants will be given the opportunity to demonstrate their knowledge of shore helicopter routine operations, emergency response arrangements and the actions they are required to take as a HLO.

- Helicopter refuelling theory and practical exercises
- Legislation
- Communications
- Helicopter operations safety and emergency procedures
- Documentation and records to be maintained
- Safety from fire and electricity / firefighting equipment

HELICOPTER REFUELLING

Duration: 2 days

Objectives

This course has been designed to give participants a basic knowledge of helicopter refuelling and quality control procedures. It will also give a greater understanding of the role and responsibility of those involved in refuelling.

Who should attend

Persons working offshore who are responsible for the duties of HLO or HDA, involved in helicopter refuelling operations on offshore platforms and mobile units

Prerequisite

Persons attending the course should be qualified as an HLO or HDA with experience in offshore helicopter operations.

Program

- Legislation and government requirements
- A full explanation of helifuel systems
- Quality control
- Documentation and record keeping
- Various practical exercises

HELIDECK FIRE FIGHTING (HDFF)

Duration: 1 day

Objectives

To train personnel as part of incident response team to respond to an emergency landing or aborted takeoff of a helicopter requiring rescue and containment services.

A helicopter on fire, on an offshore major hazard facility, is classed as a Major Accident Event in the oil and gas industry. Response to this type of incident must be both immediate and assertive to prevent loss of life and further escalation to the facility. Once any fire is under control rescue of passengers and crew requires awareness of specific helicopter hazards and training in techniques that are not taught in Fire Team Member training; the HDFF course will provide the knowledge and skills required.

Who should attend

Heli Deck Fire Fighting s designed for personnel working in support of helicopter operations at a remote location or specialized helideck landing facility. In the event of an incident personnel would undertake a front line role in rescue operations and damage control.

Prerequisite

- Medical certificate
- Basic Fire Fighting Training

Program

It is essential that competence be demonstrated throughout the duration of the course:

- Aircraft construction and hazards
- Helideck emergency procedures
- Correctly use incident response equipment (where required)
- Firefighting strategies and tactics
- Safety and/or successful recover an individual and others affected by the incident response, and afford priority in the actions taken

-

HELIDECK RESCUE

Duration: 3 days

Objectives

To provide participants with knowledge of different types of evacuation of casualties on Helideck or by helicopter

Who should attend

Offshore personnel

Prerequisite

None

Program

- Injured persons evacuation from hardly accessible places such as boat's bilge, slipway, etc
- Casualty movement using a corset evacuation carrier
- Rescue of casualties using ropes, straps, rescue kit
- First Aid equipment use
- Preparation for winching up the helicopters
- Reminders of first aid definitions

HELICOPTER UNDERWATER ESCAPE TRAINING (HUET)

Duration: 1 day

Objectives

This course is designed to provide personnel who travel by helicopter an understanding of helicopter escape procedures and in particular, action to be taken to evacuate or escape from a ditched/ capsized helicopter.

Who should attend

- The course is intended for any personnel who travel by helicopter over water.
- It is also suitable for personnel who have undertaken survival training, which did not include helicopter underwater escape training

Prerequisite

Participants must hold a valid and current medical certificate in accordance with: if non marine industry personnel – Industry Standards.

Program

- Example of a sea Crash Helicopter
- How to deal with stress and other physiological reactions (Hypothermia, drowning, etc)
- Helicopter operations safety and emergency procedure
- Presentation of the means of communication and signs.
- Presentation of overalls, life jackets, life rafts and their materials
- Practical exercises of evacuation of a helicopter cabin (Normal, capsize).
- Exercises of evacuation of an helicopter with a life raft
- Helicopter emergency procedures: Injured people on stretchers
- Real shots of emergency signals

TROPICAL HELICOPTER UNDERWATER ESCAPE TRAINING (T-HUET)

Duration: 1 day

Objectives

This course is designed to provide personnel who travel by helicopter an understanding of helicopter escape procedures and in particular, action to be taken to evacuate or escape from a ditched/ capsized helicopter.

Who should attend

The target group is personnel travelling to oil and gas installations/facilities via helicopter in a tropical environment

Prerequisite

All delegates will be asked to complete a medical questionnaire prior to course commencement.

Program

Delegates will receive theoretical and practical knowledge in the following areas Helicopter safety & escape:

- Pre boarding
- Safe boarding
- In flight safety
- Safe disembarkation
- In flight emergency actions
- Practical emergency ditching and escape training
- Abandonment theory and practical sea survival training
- Actions for mustering and boarding of a survival craft, and actions as a passenger during launching operations
- Use of helicopter rescue strops and winching procedures

HELICOPTER UNDERWATER ESCAPE TRAINING & EMERGENCY BREATHING SYSTEM (HUET & EBS)

Duration: 1 day

Objectives

Course aims at training persons flying in a Helicopter, either as crew or as passengers, in the survival techniques, in case the Helicopter ditching or landing. The course trains the person to survive from the time the Helicopter touches down in water till he/she is rescued by the rescue team. Theoretical and practical training sessions include Sea Survival techniques and Helicopter safety and escape, including the use of Emergency Breathing System.

Who should attend

The target group is personnel travelling to oil and gas installations/facilities via helicopter

Prerequisite

Physical: possess a valid, current offshore medical certificate or possess an operator approved medical certificate

Program

The course focuses on the following elements:

- Helicopter Safety & Escape:
- Pre boarding.
- Safe boarding.
- In flight safety.
- Safe disembarkation.
- In flight emergency actions.
- Use of Emergency Breathing System equipment.
- Practical Emergency escape Breathing System training.
- Practical emergency ditching/landing and escape training

TROPICAL HELICOPTER UNDERWATER ESCAPE TRAINING & EMERGENCY BREATHING SYSTEM (T-HUET & EBS)

Duration: 1 day

Objectives

This course is designed to complement initial onshore safety and emergency response training and assessment. The THUET-EBS course can also be attended as an add-on to the T-BOSIET or T-FOET. When added to the T-BOSIET it will be integrated in the HUET module and thus no extra training day is required. Refresher training is recommended every 2 years.

Who should attend

Personnel travelling to an offshore oil and gas installation by helicopter (in a warm water tropical environment) when issued with an Emergency Breathing System (EBS).

Prerequisite

Physical: possess a valid, current offshore medical certificate or possess an operator approved medical certificate

People that wish to attend this program have to be in possession of a valid TBOSIET or T-FOET certificate.

Program

The course focuses on the following elements:

- Pre boarding
- Safe boarding
- In flight safety
- Safe disembarkation
- In flight emergency actions
- Practical emergency ditching and escape training
- Abandonment theory and practical sea survival training
- Actions for mustering and boarding of a survival craft, and actions as a passenger during launching operations
- Use of helicopter rescue strops and winching procedures
- Use of Emergency Breathing System equipment.
- Practical Emergency escape Breathing System training.