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HELIPORT
SAFETY
TRAINING



HELIPORT TRAINING

Partnered with the global leader, Maritime Aviation, we are delighted to offer a range of recognised Large Yacht Heliport Safety Training Courses which are essential to superyachts with an active shipboard heliport..

Maritime Aviation offers all 4 modules within the MCA Large Yacht Heliport Safety Training syllabus as well as facilitating Dangerous Goods by Air Awareness (DGAA) training for crew members operating on a heliport.

Training packages are created bespoke to yacht requirements and can be delivered onboard, at a suitable location ashore, or at one of Maritime Aviation's training facilities in the UK, The Netherlands, Germany or South of France.





MCA COURSE OVERVIEW

The MCA-approved Large Yacht Heliport Safety Training modules meet the requirements in accordance with the syllabus as laid down by the MCA; these consist of:

- Large Yacht Heliport Procedures & Emergency Response
- Large Yacht Heliport Fire Fighting
- Large Yacht Helicopter Landing Officer
- Large Yacht Helicopter Refuelling

These modules are delivered by experienced instructor/ assessors and contain theory and group practical sessions. Competence is confirmed throughout the course by interactive communication together with oral, written and practical assessments.

Successful delegates will receive MCA-approved certificates, which are valid for two years.

HELIPORT PROCEDURES & EMERGENCY RESPONSE

During this module, delegates will gain an understanding of how to deliver and contribute to safe and efficient helicopter operations onboard aviation-capable large yachts. They will train to become an effective Heliport Deck Assistant (HDA) and learn the roles and responsibilities when fulfilling tasks such as preparing the yacht for flying, heliport deck operations, assisting aircrew & passengers, and being an effective Heliport Rescue Firefighter (HRF) in the event of an emergency.

THEORY

Organisation & Administration

- Heliport crew qualifications
- Roles & Responsibilities
- Documentation & Training requirements
- 'Flight Safety' culture

General Helicopter Hazards & Precautions

- Helicopter types & configurations
- Primary helicopter danger areas
- Helicopter equipment hazards
- Non-visible helicopter hazards

Heliport Standard Operating Procedures (SOPs)

- General preparation for flying operations
- Helicopter landing & take-off procedures
- Guest & cargo transfer procedures

Heliport Emergency Operating Procedures (EOPs)

- Types of helicopter emergency
- Responding to helicopter emergencies
- EOPs for different helicopter emergencies
- Conducting Medevacs

PRACTICALS

Helicopter Hazards & Precautions

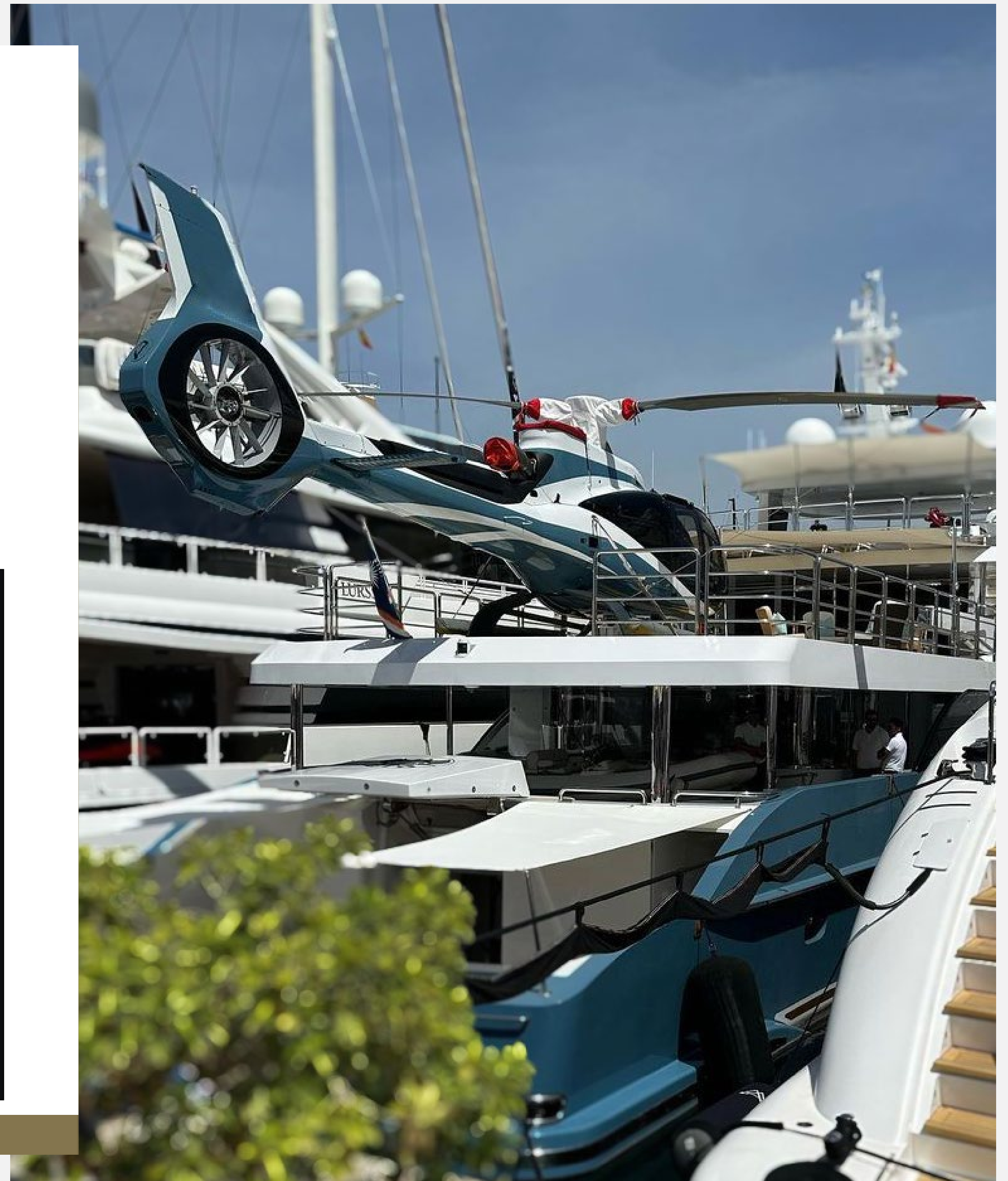
- Identify primary helicopter danger areas
- Identify helicopter equipment hazards
- Conduct safe movement around the helideck

Heliport Standard Operating Procedures (SOPs)

- Conduct preparation for flying operations
- Conduct helicopter take-off procedures
- Conduct helicopter landing procedures
- Conduct passenger/guest transfer procedures
- Conduct cargo transfer procedures

Heliport Emergency Operating Procedures (EOPs)

- Types of helicopter emergency
- Responding to helicopter emergencies
- EOPs for different helicopter emergencies
- Conducting Medevacs



HELIPORT RESCUE & FIREFIGHTING

During this module, delegates will gain an understanding of how to deliver and contribute to safe and efficient helicopter operations onboard aviation-capable large yachts. They will train to become an effective Heliport Deck Assistant (HDA) and learn the roles and responsibilities when fulfilling tasks such as preparing the yacht for flying, heliport deck operations, assisting aircrew & passengers, and being an effective Heliport Rescue Firefighter (HRF) in the event of an emergency.

THEORY

Helicopter & Heliport Fire Hazards

- Special hazards associated with operating helicopters at sea
- Review of basic fire principles
- Flammable materials associated with helicopters
- Types of helicopter fire

Firefighting Appliances, Equipment & Media

- Personal Protective Equipment (PPE) used during shipboard heliport firefighting
- Types & operation of shipboard heliport firefighting appliances, equipment & media

Standard Firefighting Procedures and Techniques

- Preparation of firefighting appliances, equipment & media
- Generic procedures for responding to heliport fires
- Protecting heliport personnel during passenger extractions
- Post-fire shipboard heliport procedures

PRACTICALS

Preparations for Heliport Firefighting

- Prepare PPE used during shipboard heliport firefighting
- Don PPE used during heliport firefighting
- Prepare heliport firefighting
 - Appliances
 - Equipment
 - Media

Heliport Firefighting Procedures and Techniques

- Respond to different types of heliport fire
 - Smoke in the cockpit
 - Engine fire
 - Engine bay fire
 - Battery fire
 - Electrical fire
- Respond to a crash on deck
- Conduct passenger evacuations
- Conduct casualty extractions
- Conduct post-fire procedures

HELICOPTER LANDING OFFICER (HLO)

This module concentrates on the role of the Helicopter Landing Officer (HLO). Onboard an aviation-capable yacht, the HLO undertakes several management roles, covering safety, heliport operations, facilities and crew training. Their leadership and communication skills, together with command and control capabilities, are vital to ensuring safe and efficient heliport operations. This module contains both theory and practical elements, covering Standard and Emergency Operating Procedures (SOPs & EOPs).

THEORY

Organisation & Administration

- HLO roles & responsibilities
- The importance of HLO leadership
- Records to be kept by the HLO

HLO Pre-Arrival/Departure SOPs

- Information to be gathered by HLO
- Briefing requirements for flying operations
- HLO's role during helicopter preparations

HLO SOPs during Flying Operations

- HLO's role during helicopter arrival/departure
- Communications between all parties
- HLO's role during guest & cargo transfers

HLO EOPs during Flying Operations

- HLO's role during EOPs for helicopter emergencies
- HLO's role during passenger/casualty evacuations
- HLO's role during Medevacs

HLO's Actions After Helicopter Accidents

- Safety aspects to consider
- Evidential & Reporting requirements

PRACTICALS

HLO Pre-Arrival/Departure SOPs

- Gather information required for flying
- Conduct pre-flying briefs
- Conduct heliport preparations as HLO

HLO SOPs during Flying Operations

- Conduct communications as HLO
- Conduct helicopter landing procedures
- Conduct passenger/guest transfers as HLO
- Conduct cargo transfers as HLO

HLO EOPs during Flying Operations

- Respond to helicopter emergencies as HLO
- Conduct passenger evacuations as HLO
- Conduct casualty evacuations as HLO
- Conducting Medevacs as HLO

HLO's Actions After Helicopter Accidents

- Collect evidence after an accident
- Control safety after an accident
- Report a helicopter accident





LARGE YACHT HELICOPTER REFUELLING

This module gives delegates an understanding of the requirements for the safe refuelling of helicopters onboard aviation-capable yachts. They will learn about procedures and safe practices when dispensing aviation fuel, the importance of correct storage and quality control measures, the dangers of aviation fuel contamination and how to respond to fuel spills on the heliport. The course involves both theory and practical sessions.

THEORY

Refuelling Regulations & System Design

- Regulations for refuelling helicopters
- Design of a typical offshore refuel system

Aviation Fuels

- Types of aviation fuels
- General characteristics of aviation fuels
- Procurement & storage of aviation fuels
- The importance of clean aviation fuel
- The importance of keeping fuel sampling records

PRACTICALS

Helicopter Refuelling Equipment

- Identify & don appropriate PPE
- Identify helicopter refuel system components

Aviation Fuel Sampling

- Identify fuel sampling equipment
- Conduct fuel testing & create records

Helicopter Refuelling

- Conduct helicopter refuelling
- React to an aviation fuel spillage

DANGEROUS GOODS BY AIR AWARENESS (DGAA)

The purpose of this course is to provide delegates with an understanding of 'Dangerous Goods by Air' (DGBA) regulations, classifications, and handling. This theory-based course uses case studies to highlight key lessons learned. Sessions encourage delegates to draw on their experience to enhance collective learning. Following a written assessment, successful delegates will receive certificates that are valid for 2 years.

THEORY

Requirements for DGA Regulations

- Aircraft accidents due to DGA (case studies)
- Responsibilities for safe flight
- DGA training requirements

DGA Regulations

- DGA definitions & acronyms
- Current DGA regulations
- DGA found in passenger/crew baggage (case studies)

DG Classifications, Packing Groups & Labelling

- DG Classifications & packing groups
- Approved hazard & handling labelling
- DGA paperwork

Shipboard Heliport DG Procedures

- Cargo acceptance
- Loading & security
- Damaged packages
- Documentation requirements

DG Emergencies & Reporting

- DGA emergency procedures
- Reporting accidents & incidents

THEORY

Organisation & Administration

- Heliport crew qualifications
- Crew roles & responsibilities
- Documentation & training requirements
- 'Flight Safety' culture

Helicopter Hazards & Precautions

- Helicopter types & configurations
- Primary helicopter danger areas
- Helicopter equipment hazards
- Non-visible helicopter hazards

AVIATION AWARENESS

Non-Heliport Crew

This course is designed to give non-heliport crew the knowledge required to enhance safe flying ops onboard through understanding the risks.

Captains & Chief Officers

The purpose of this session is to give Captains & Chief Officers the opportunity to discuss all aspects of helicopter operations from the management level perspective, via scenario-based Questions & Answers.



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Email training@dsnmltd.com for more details and to register your interest.

