



## Carriage of Dangerous Goods on board Workboats: Workboat Association recognised Training

### Training Intention

To provide training covering;

- Familiarisation with the rules governing the carriage of dangerous goods by sea, (IMDG) Code.
- The use and structure of the IMDG Code
- The documentation and rules specific to the carriage of Dangerous Goods on board Workboats
- Industry Best Practice

### Target Audience

- This course is designed for those working on board Workboats concerned with the carriage of Dangerous Goods
- All those ashore who are concerned with the transportation of Dangerous Goods on board Workboats.

### Pre-requisites

Good understanding and use of the English Language

### Regulations Addressed

International Maritime Dangerous Goods Code, The UK Workboat Code and the associated UK Merchant Shipping Regulations.

### Course Objectives

To provide training compliant with the UK Maritime Administration (Maritime and Coastguard Agency) training requirements as per the UK Workboat Code 2 sections 26.8 and 29.5.1

### Training Resources

- The carriage of Dangerous Goods on Workboats Good Practice Guide, the Workboat Association.

It is mandatory that all trainees have access to the latest hard-copy edition of the forementioned GPG, the cost of the GPG will be £4.50 per copy to WA recognised Training Providers and Operators.



## Syllabus

During this training course, the trainees shall be instructed and made familiar on the following;

- **Introduction to Dangerous Goods**
  - o What are Dangerous Goods
  - o How do DG differentiate from COSHH
- **Introduction to the IMDG Code and its contents**
  - o Purpose of the Code
  - o UN Model Regulations
  - o Understanding the role of the IMO
  - o Code review/amendment cycle
  - o Formats of the IMDG Code
  - o Structure of the IMDG Code
- **Regulations specific to the Carriage of Dangerous Goods on UK Workboats**
  - o Explanation of the UK Merchant Shipping Regulations
  - o Application of the Workboat Code (UK vessels internationally and non-UK vessels in UK)
  - o Brown Code
  - o MGN 280 (§30)
  - o Workboat Code 2 (§29)
- **Requirements of Crew Training**
  - o Reference to the latest MCA and IMO requirements
- **Definitions and Abbreviations common to the handling of Dangerous Goods at Sea**
  - o As per the Workboat Association 'Dangerous Goods Definitions' Supplement
- **Understanding the IMDG Code**
  - o Classification of Dangerous Good
  - o Packaging
    - *including testing and certification of identification of UN approved DG packaging*
  - o marking, labelling and placarding
    - *including identification and the 4 x properties of DG Labels/Placards.*
  - o Emergency schedules
  - o Reading and interpreting the Dangerous Goods List (DGL) table
- **Roles in the Carriage of Dangerous Goods at Sea and on board Workboats**
  - o The Shipper (Consignor)
  - o The Vessel
  - o The Vessel Crew
  - o The Vessel Management
  - o The Vessel's Administration (Flag State)
  - o The local Administration (Port State)
  - o The Receiver (Consignee)
- **Document of Compliance for the carriage of Dangerous Goods**
  - o Obtaining a 'Document of Compliance' for the Carriage of Dangerous Goods
  - o Vessel Survey / Inspection
  - o Vessel Requirements
  - o Classes permissible and not [commonly] permissible for carriage on Workboats
  - o Understanding the Document of Compliance for the Carriage of Dangerous Goods
- **Documentation and Record keeping**
  - o Dangerous Goods Manifest (IMO FAL Form 7)
  - o Material Safety Data Sheets (MSDS)
  - o COSHH Risk Assessments
  - o Documentation retention times
- **Segregation and Stowage of Dangerous Goods on board Workboats**
  - o Permissible storage location(s)
  - o IMDG Segregation table
  - o Safe stowage of cylinders & packaged goods and the use of bonded containers



- **Decision making related to the carriage of Dangerous Goods**
  - o Can I carry this?
  - o When and why to say 'No'
- **Return of Dangerous Goods and Secondary movements**
  - o What is a secondary movement?
  - o How to best control secondary movements on board Workboats
- **Emergency response**
  - o Explanation of Emergency Procedures (EmS) + (MFAG)
  - o Fire-fighting, Spillage Control and First Aid in specific to Dangerous Goods

## Mode of Delivery

The course may be delivered in a variety of styles including; Online, Blended Learning, Classroom or Site based. The structure of the course delivery shall be assessed by the Workboat Association and shall be written on the Training Providers/ Operators Certificate of Approval. Any changes to the delivery or the course content shall be first communicated and agreed by the Workboat Association before the subsequent training is delivered.

## Assessment

The Trainee shall be assessed in their understanding of the course material, the following shall be assessed:

- Importance for familiarisation with the latest revision of the IMDG Code and local regulations.
- Identification of cargo, including checking if carriage is permissible.
- Ability to find the correct item information in the Dangerous Goods List
- Confirm 3 of the 4 properties of a Dangerous Goods Label/Placard.
- Confirmation that the Documentation provided is signed accordingly, detailed and correct.
- Checking that Dangerous Goods are packaged in UN approved packaging that are in good condition and not showing any signs of damage or leaking.
- Segregation requirements for 3 x different Dangerous Goods.
- How to secure and protect Dangerous Goods for transport by sea, considering the apparent weather conditions and passage plan.
- Reacting to an Emergency
- What to do if there are any doubts or concerns about what is being tasked to carry

## Course Duration

It is estimated that 3 Learning Hours are required to complete the training. Excluding any assessment (as per the training providers/operators interest).

## Recognition

Training Providers and Operators can be recognised by the Workboat Association for providing training that meets the requirements of this syllabus by contacting: [chiefexecutive@workboatassociation.org](mailto:chiefexecutive@workboatassociation.org). Official recognition is free for WA members and is available to non-members for a one-time administration cost of £100.

## Certification

On successful completion of the course, an internal certificate will be awarded by the Training Provider/ Operator with the use of the Workboat Association Dangerous Goods Training Logo and supported by the awarded individual approval code.



## Supplement –

### Dangerous Goods Definitions

(As described in 'The carriage of Dangerous Goods on Workboats Good Practice Guide')

Herewith a list of acronyms and words with meaning specific to this syllabus and the IMDG Code;

<b>ADR</b>	<i>European Agreement concerning the International Carriage of DG by Road</i>
<b>COSHH</b>	<i>Control of Substances Hazardous to Health Regulations</i>
<b>CTU</b>	<i>Cargo Transport Unit [Shipping Container]</i>
<b>DG</b>	<i>Dangerous Goods</i>
<b>DGL</b>	<i>Dangerous Goods List</i>
<b>DGSA</b>	<i>Dangerous Goods Safety Advisor</i>
<b>EmS &amp; MFAG</b>	<i>Emergency Response Guide for ships carrying DG / Medical First Aid Guide</i>
<b>IMDG Code</b>	<i>International Maritime Dangerous Goods Code</i>
<b>IBC</b>	<i>Intermediate Bulk Container</i>
<b>IMO</b>	<i>International Maritime Organisation</i>
<b>kPa</b>	<i>Kilopascals, a unit of pressure used for testing sealed containers</i>
<b>MARPOL</b>	<i>The International Convention for the Prevention of Pollution from Ships (<b>Marine Pollution</b>)</i>
<b>MCA</b>	<i>United Kingdom Flag State Administration, Maritime and Coastguard Agency</i>
<b>MSDS</b>	<i>Material Safety Data Sheets</i>
<b>N.O.S</b>	<i>Not Otherwise Specified</i>
<b>PSN</b>	<i>Proper Shipping Name</i>
<b>UN number</b>	<i>United Nations number given to each recognised DG group (4 digit)</i>
<b>Large quantity</b>	<i>Anything bigger than an IBC</i>
<b>Small quantity</b>	<i>Anything smaller than an IBC</i>
<b>Substances</b>	<i>DG in their primitive form (eg. a container of Hydrochloric acid)</i>
<b>Articles</b>	<i>DG in their final product form (eg. a manufactured hand-flare)</i>