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Navigation (1/2)

The new GL Academy PDF tool is easy to navigate. There are two options to access to the seminar description sheets:

Option 1: Navigation by bookmarks



On the left side of the PDF tool you find the main structure of bookmarks. If you click on a bookmark, you will be directed to the corresponding overview respectively to the seminar sheet.

If you click on the small “plus” sign, the next navigation level will open. The overview sheets are in bold letters, the seminar sheets are in regular letters.





Navigation (2/2)

Option 2: Navigation by links

In addition you have the possibility to navigate to the relevant seminar sheets by using the text links on each overview page. The pointing hand of your cursor shows you that the headline is linked. After a click you reach to next navigation level respectively to the seminar sheet.

Maritime Seminars

Maritime Basics

- Shipping Basics
- Shipping Basics for Banks
- Basics in Ship Finance

For both options you can use the green arrow at the bottom of the document to return to the previous view:





Course Categories

Our courses, or modules, aim to meet the individual demands of our customers and should enable them to construct a training programme adapted to their particular needs. For this reason we have divided our seminars into three categories. You can see at a glance what kind of a seminar is involved and for whom it will be suitable.

Basic modules are designed for new personnel or laterally hired personnel who have no prior knowledge of a subject and who want to have a general introduction to it. They will receive basic knowledge and gain a first insight into the subject.

Advanced modules are for those who already have knowledge and experience in the respective field. Advanced courses impart relevant and up-to-date knowledge but take into account the participants' existing knowledge.

Advanced plus modules finish with a qualification which is confirmed by the award of a certificate. Generally recognised, certified courses or seminars with legal guidelines or recommendations are part of this category.



Search by Seminar Topics

Maritime Seminars

Management Systems



Maritime Seminars

Maritime Basics

Maritime Regulations

Ship Technology

Marine Environmental Protection

Management of Risks and Emergencies

Ship Types

Marine Safety Management Systems

Maritime Security

Management Human Resources

Ship Operation



Maritime Seminars

Maritime Basics

Shipping Basics

Shipping Basics for Banks

Basics in Ship Finance



Maritime Basics

Shipping Basics

Content

The module explains the connections between the crew, ship, cargo and the shipping company. In addition, major regulations and conventions regarding ship safety and the protection of the marine environment are introduced. Practical case studies deepen the insight gained.

Course objective

Participants will gain basic knowledge of the procedures aboard and ashore.

Emphasis

- The shipping company: structures and responsibilities
- The ship: types of ships, ship dimensions, hull, machinery, safety equipment, load line and tonnage measurement
- The crew: qualification and manning of ships
- The cargo: types of cargoes, charter parties and cargo documents
- The organisations and regulations in shipping: IMO, flag states, class societies, safety and marine environmental conventions (including codes)
- The insurance: transport, damage and P&I insurance

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Assistants (management, inspection, quality/ISM)
Requirements:	None
Duration:	1,5 days
Category:	Basic
Further recommendations:	Ship Technology Basics, Shipbuilding Basics, ISM Basics, ISPS Basics, STCW Basics, Basics in Ship Stability



Maritime Basics

Shipping Basics for Banks

Content

The module provides a structured overview of the shipping market and looks at the ship as a technical system. The first part of the seminar consists of an overview of a ship's technical system and how that relates to assessing its value. This background information will be vital for the following seminar day where the focus is on the actual analysis of a ship's value.

By means of a continuous case study the participants analyse the shipping market and develop a questionnaire for evaluating investments in ships. The exercises are designed in such a way that the participants are able to analyse the shipping market on their own and practise with further exercises.

Course objective

To increase understanding of the technical and economic evaluation of ships

Emphasis

- Understanding the main technical aspects of ships that have an impact on their market value
- Better understanding of the technical descriptions used in expert evaluations
- Generating a financial assessment of a ship in the shipping market
- Developing a practical check list that can be used in the participant's daily work

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Is houses
Requirements:	None
Duration:	1,5 days
Category:	Basic
Further recommendations:	Basics in Ship Finance, Ship Operating Costs Basics



Maritime Basics

Basics in Ship Finance

Content

The module explains the basic functions of financing seagoing vessels. The participants get into contact with the basic structures of shipping finance and the most important instruments of financing with equity and debt. The two dominating instruments of the shipping finance market in Germany, closed-end ship funds and commercial bank loans, are especially focused on. Practical case studies deepen the insights gained.

Course objective

Participants will gain basic knowledge of financing ships.

Emphasis

- Structuring a shipping finance project
- Instruments of financing with equity and debt
- Closed-end ship funds (German KG model)
- Commercial bank ship loans

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Technical directors (CTO), managing directors (CEO), commercial managers, chief financial officers (CFO), assistants (management); Employees of Banks and Fonds Houses
Requirements:	None
Duration:	1 day
Category:	Basic
Further recommendations:	Shipping Basics, Shipping Basics for Banks



Maritime Seminars

Maritime Regulations

Introduction to the System of Maritime Regulations

Port State Control (PSC) Basics

Latest Amendments to Maritime Regulations

Surveys and Certificates

**Flag State Administration and Regulations by Way of Example
of the German Flag**

Inland Navigation – National and International Regulations

Calling at US Ports – Requirements for Ships and Shipping Companies

Implementation Workshop ILO Maritime Labour Convention



Maritime Regulations

Introduction to the System of Maritime Regulations

Content

This module explains in detail international and regional conventions in the field of ship safety and protection of the marine environment, and their structure, content and application is presented. An overview regarding the various types of surveys and ships' certificates is provided.

Special emphasis will be placed on the implementation of amendments of regulations.

Course objective

Getting to know the system of maritime regulations.

Emphasis

- International and regional maritime regulating organisations
- Structure, content and application of major conventions
- Overview of survey types and intervals as well as types of certificates
- Analysis and implementation of amendments to regulations
- Application of tools developed by GL, such as IMO Pilot and checklists

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Technical managers (CTO), managing directors (CEO), superintendents, fleet managers, chief operating managers (COO), CSO, quality managers, designated persons, crewing managers, nautical officers, engineers, assistants (management, inspection, quality/ISM, crewing)
Requirements:	Basic knowledge of shipping
Duration:	1 day
Category:	Basic
Further recommendations:	Latest Amendments to Maritime Regulations, Surveys and Certificates



Maritime Regulations

Port State Control (PSC) Basics

Content

Participants will learn the legal basics of port state controls. Using the current standards, ways of conducting efficient preparation are explained.

Course objective

Participants will gain knowledge of how to avoid problems with PSC.

Emphasis

- Legal background
- On board procedures
- Dealing with deficiencies
- Preventive measures

Certificate:	GL Academy Certificate
Methods:	Presentation
Target groups:	Shipping Companies: Superintendents, quality managers, nautical officers, engineers
Requirements:	Basic maritime knowledge
Duration:	0,5 days
Category:	Basic
Further recommendations:	Introduction to the System of Maritime Regulations, Latest Amendments to Maritime Regulations, Calling at US Ports – Requirements for Ships and Shipping Companies



Maritime Regulations

Latest Amendments to Maritime Regulations

Content

This module introduces the recent changes to national, regional and international maritime regulations with respect to ship safety and the protection of the marine environment.

Course objective

Gaining knowledge of the latest developments as well as the consequences for the construction, equipment and operation of ships.

Emphasis

- Results of IMO committees
- Results of regulatory conferences and sessions of EU committees
- Results of selected flag states
- Results of IACS
- Future trends in maritime regulations

Certificate:	GL Academy Certificate
Methods:	Presentation
Target groups:	Shipping Companies: Vice presidents, technical managers (CTO), managing directors (CEO), superintendents, fleet managers, chief operating managers (COO), CSO, quality managers, designated persons, crewing managers, nautical officers, engineers
Requirements:	Basic knowledge of the system of maritime regulations
Duration:	0,5 days
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations



Maritime Regulations

Surveys and Certificates

Content

This module introduces the legal framework on ship inspections and surveys as well as the issuance of certificates. Distinctions are made between the requirements of the classification societies and requirements of the flag states. The various survey types, their intervals and windows of time are presented, and contents and validity of the required certificates are explained. In addition, the planning, preparation and conduct of inspections and surveys on board are discussed. A brief explanation of how to handle the GL tool Fleet Online is provided and the database Equasis is introduced. Case studies are used to teach participants how to deal with rules and regulations as well as how to plan surveys.

Course objective

Ability to coordinate surveys efficiently, provision of background knowledge about certificates.

Emphasis

- Presentation of classification and statutory regulations
- Introduction of certificates
- Planning, preparation and conduct of inspections and surveys

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Superintendents, fleet managers, quality managers, designated persons, nautical officers, engineers, assistants (inspection)
Requirements:	Basic maritime knowledge
Duration:	1 day
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations



Maritime Regulations

Flag State Administrations and Regulations by Way of Example of the German Flag

Content

This module introduces the national rules and regulations, responsibilities within the administration and the various working principles, such as manning, equipment, surveys and issuance of certificates as well as registration of vessels. Practical case studies are used to practice working with special checklists generated by GL.

Course objective

Participants will gain thorough knowledge of the structure and organisation of Flag State administration.

Emphasis

- National legal framework for ships under the German flag
- Requirements for shipping companies and ships under the German flag
- Change-of-flag procedures for the reflagging of vessels
- Presentation of special tools generated by GL, such as List of Certificates, compilation of relevant regulations and List of Contacts

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Superintendents, fleet managers, nautical officers, engineers, assistants (management, inspection)
Requirements:	Basic maritime knowledge
Duration:	0,5 days
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations, Surveys and Certificates



Maritime Regulations

Inland Navigation – National and International Regulations

Content

Structure, content and application of the important technical legal framework are explained at a glance. Special emphasis is given to the latest amendments to regulations. Case studies are used for discussing practical applications.

Course objective

Gaining basic knowledge about the system of the technical legal framework for inland navigation.

Emphasis

- Important rules and regulations such as Rhein-SchUO (Testing Regulations for Vessels on the Rhine)
- ADNR, EC Directive 2006-87 EG, ECE Res. 61, BinSchUO (Ordinance on Inspections of Vessels on Inland Waterways)
- Demonstration of the Germanischer Lloyd regulations for inland shipping vessels
- Overview of the responsible authorities involved

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents; Yards: Technical directors (CTO), managing directors (CEO), design manager, engineers (naval architects), production managers, engineers
Requirements:	Basic knowledge of inland navigation
Duration:	0,5 days
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations



Maritime Regulations

Calling at US Ports – Requirements for Ships and Shipping Companies

Content

This module introduces the legal framework that applies to foreign vessels calling at US ports. The module covers: Port State Control, crewing regulations, environmental and pollution matters, maritime security, navigation and safety regulations. Case studies derived from ship operation are used to present the benefits of working with GL tools. These topics are presented and discussed using case studies of detentions and noncompliance instances.

Course objective

Participants will gain knowledge enabling them to observe US rules and regulations.

Emphasis

- Overview of the relevant USCG rules and regulations
- Relevant federal and state rules and regulations
- Future regulatory developments
- Ensuring compliance with the relevant USCG rules and regulations

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Superintendents, fleet managers, designated persons, crewing managers, nautical officers, engineers, SSO, assistants (crewing)
Requirements:	Basic knowledge of maritime regulations
Duration:	1 day
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations, Latest Amendments to Maritime Regulations, Port State Control Basics



Maritime Regulations

Implementation Workshop ILO Maritime Labour Convention

Content

This workshop offers explanations and solutions for compliance with the ILO Maritime Labour Convention, 2006 (MLC, 2006). The requirements will be analysed in detail and the relevant information for ship's crew, ship managers and crewing managers will be discussed. Particular attention is paid to those areas of MLC, 2006 where individual conversion of ILO Member States (Flag Administration) is expected.

Course objective

Acquisition of detailed knowledge about the requirements of the Maritime Labour Convention, 2006 and an understanding of how the requirements can be implemented.

Emphasis

- Background and development of MLC, 2006
- Structure and contents
- Requirements for ship managers, crewing managers and the operation of ships
- Implementation in daily practice
- Approaches for the implementation aboard and ashore
- Certification and monitoring

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Superintendents, fleet managers, crewing managers, nautical officers, engineers, assistants (crewing); Yard: Design managers, production managers, engineers
Requirements:	Basic maritime knowledge, knowledge of marine management systems
Duration:	2 days
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations, Latest Amendments to Maritime Regulations



Maritime Seminars

Ship Technology

Ship Technology Basics

Classification and Preparation of Newbuilding Surveys

Shipbuilding Basics

Medium Voltage Installations on Seagoing Ships I – Basics

Ship Structural Design

Design for Production

Medium Voltage Installations on Seagoing Ships II – Practical Training

Managing Newbuildings

Damage to Machinery and Repairs

Damage to Hull and Equipment

Consideration of Local Ship Vibration in the Design Process

Bridge Design, Equipment and Arrangement

Hull Monitoring

Practical Aspects of Corrosion Protection for Shipping Companies and Shipyards

Certified Coating Inspector according to IMO PSPC

Fatigue Assessment of Ship Structures

Planning and Production in a Modern Shipyard

Maintenance of Life-Saving Appliances and Fire-Fighting Equipment on Board Seagoing Ships

Fuel Saving



Ship Technology

Ship Technology Basics

Content

The module is directed at newly employed or laterally hired personnel in the maritime industry without prior technical knowledge. The functioning of combustion engines and other important components on board will be explained and presented in the context of ship operations. In addition, an overview of loading operations, safety equipment as well as navigation and deck equipment will be provided. Practical case studies are used throughout.

Course objective

Participants will gain knowledge about basic technical processes on board and an impression of the overall ship system.

Emphasis

Day 1

- Propulsion machinery
- Auxiliary machinery

Day 2

- Cargo equipment and systems
- Safety equipment
- Navigational and deck equipment

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Assistants (management, inspection, quality/ISM)
Requirements:	Basic maritime knowledge or participation in our module "Shipping Basics"
Duration:	2 days
Category:	Basic
Further recommendations:	Shipping Basics, Shipbuilding Basics, Basics in Ship Stability



Ship Technology

Classification and Preparation of Newbuilding Surveys

Content

The module provides basic knowledge of managing newbuildings. Special emphasis is placed on approval of materials and components, yard deliveries, sea trials, surveys and certificates. Practical case studies are used to enhance the presented material.

Course objective

Participants will gain thorough knowledge of the necessary procedures for managing newbuildings up to delivery.

Emphasis

- Classification basics
- Contracts and approvals
- Inspections and surveys
- Certificates

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Yard: Technical directors (CTO), managing directors (CEO), design manager, engineers (naval architects), production managers, engineers
Requirements:	Basic knowledge of maritime rules and regulations
Duration:	2 days
Category:	Basic
Further recommendations:	Introduction to the System of Maritime Regulations, Latest Amendments to Maritime Regulations, Surveys and Certificates



Ship Technology

Shipbuilding Basics

Content

The module supplies a basic introduction to the structure of a ship, the processes leading to its construction and the basic problems faced in naval architecture.

Course objective

Participants will gain knowledge about the basic processes of design and production of ships, showing the scope of the industry and its historical perspective, understanding product and processes better. Ultimately, this enforces motivation and better communication with the maritime experts in the enterprise.

Emphasis

- Ship types (mainstream and exotic)
- World market
- How a ship is designed
- How a ship is built
- Ship and society (accidents, pollution, scrapping)

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Assistants (management, inspection, quality/ISM)
Requirements:	Curiosity about maritime industries
Duration:	1 day
Category:	Basic
Further recommendations:	Shipping Basics, Ship Technology Basics



Ship Technology

Medium Voltage Installations on Seagoing Ships I – Basics

Content

In the case of Medium Voltage (MV) installations on board relevant staff shall provide evidence especially that they are trained on the special arrangement of MV installations. The participants will be introduced to the basics of MV supply and the MV components on board. The operational consequences are dealt with in practical examples. This module focuses on the particular risks of MV and the responsibilities for the work activities and the electrical installations to achieve the acceptance for the special safety measures. This module will be performed in cooperation with Consulectra Unternehmensberatung GmbH, an expert for the energy industry and energy supply.

Course objective

The participants shall

- obtain the basics of MV supply
- know the functions of MV components on board
- be familiar with relevant requirements and the accident prevention regulations
- be aware of the particular risks of MV and be prepared for the module Medium Voltage Installations on “Seagoing Ships II – Practical Training”

Emphasis

- Network design
- Various faults in MV networks
- MV components
- Work procedures
- Safety rules in operation
- Responsibility for work activities and electrical installation
- Particular risks of voltage exceeding 1,000 V

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, engineers; Yard: Design manager, engineers (naval architects), production managers, engineers; Material and Components: Engineers
Requirements:	Electrical basics
Duration:	1 day
Category:	Basic
Further recommendations:	Medium Voltage Installations on Seagoing Ships – Practical Training



Ship Technology

Ship Structural Design

Content

This module reviews basic aspects of ship structural design, focusing on a qualitative but comprehensive understanding needed for structural design.

Course objective

Participants will gain knowledge about ship structural design, understanding aspects of strength, corrosion and fatigue.

Emphasis

- Basic concepts of structural design (material, failure modes, modelling)
- Rule-based design (role of classification society, longitudinal strength, background of rules exemplified for bulkheads)
- Corrosion and design for corrosion
- Design for fatigue

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Yard: Engineers (naval architects)
Requirements:	None
Duration:	1 day
Category:	Advanced
Further recommendations:	Design for Production



Ship Technology

Design for Production

Content

This module reviews aspects of design for production for ships.

Course objective

Participants will gain knowledge in design for production.

Emphasis

- Basics of ship production
- Design for Production (ship hull)
- Design for Production (structural details, equipment & outfit)
- Modularity

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Yard: Engineers (naval architects)
Requirements:	None
Duration:	1 day
Category:	Advanced
Further recommendations:	Ship Structural Design



Ship Technology

Medium Voltage Installations on Seagoing Ships II – Practical Training

Content

At least one crew member shall have successfully participated in a training course with theoretical and practical elements. This module in addition to module I meets these demands. Practical training on MV switchgear and a transformer will be completed by fault analysis and professional communication. This module will be performed in cooperation with Consulectra Unternehmensberatung GmbH, an expert for the energy industry and energy supply.

Course objective

Fulfil the requirements of guideline I 10 of See-BG II3 “Guideline for the Design of Medium Voltage Installations of up to 17.5 kV on board Seagoing Vessels”

Emphasis

- Execute the five safety rules
- Prepare working areas for dead working
- Re-energising
- Give and follow orders
- Professional communication

Certificate:	GL Academy Certificate This course fulfils the requirements of guideline I 10 of See-BG II3 “Guideline for the Design of Medium Voltage Installations of up to 17.5 kV on board Seagoing Vessels”
Methods:	Case studies, group work, practical training
Target groups:	Shipping Companies: Superintendents, engineers; Yard: Design manager, engineers (naval architects), production managers, engineers; Material and Components: Engineers
Requirements:	Participation in course “Medium Voltage Installations on Seagoing Ships I”
Duration:	1 day
Category:	Advanced
Further recommendations:	Medium Voltage Installations on Seagoing Ships I



Ship Technology

Managing Newbuildings

Content

The module provides basic and detailed knowledge of procedures through to the delivery of newbuildings. Various procedures, such as the classification of ships, shipyard deliveries, sea trials, surveys and certificates are covered. Practical case studies are used to deepen understanding and trigger more detailed discussions.

Course objective

Participants will gain thorough knowledge of the necessary procedures for managing newbuildings until these are taken into service.

Emphasis

- Planning and conducting a newbuilding supervision
- Presentation of GL tools generated to support the newbuilding supervision

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Technical director (CTO), superintendents, fleet managers, nautical officers, engineers, assistants (inspection)
Requirements:	Basic knowledge of maritime rules and regulations
Duration:	1 day
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations, Latest Amendments to Maritime Regulations, Surveys and Certificates, Classification and Preparation of Newbuilding Surveys



Ship Technology

Damage to Machinery and Repairs

Content

Course participants will receive tips on structured damage analysis, an overview of general requirements for “hot” repair work in the driving chambers of diesel engines, of significant damage on diesel engines caused by the manufacturer, engine operation or engine design, of applicable repair methods (temporary and permanent repairs) from a classification company’s point of view, and of new repair methods using the example of a crosshead pin. Practical exercises complete the module.

Course objective

Proficiency in “managing” damages in case of an emergency, comprehension of certain methods for temporary and permanent repairs (main welding repairs of diesel engines) of classified deep-sea vessels.

Emphasis

- Presentation of damages in two-stroke and four-stroke diesel engines
- Various repair methods and their consequences

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, fleet managers, engineers
Requirements:	Technical comprehension and basic maritime knowledge
Duration:	1 day
Category:	Advanced
Further recommendations:	Ship Technology Basics, Damages to Hull and Equipment



Ship Technology

Damage to Hull and Equipment

Content

The participants will get an overview of certain problem areas (increased risk of crack formation), of significant damages and various repair methods in the area of hull structures and equipment. In addition, possibilities and limits of the use of doublers as well as damage to rudders, rudder posts and rudder bearings are described, and possible repair methods and procedures are explained from the point of view of a classification society. In addition, the special requirements and problem areas in bulk carrier ships are discussed.

Course objective

Proficiency in “managing” damages in case of an emergency, comprehension of certain procedures related to ship repair on classified deep-sea vessels.

Emphasis

- Presentation of areas with an elevated risk of cracks; use of doublers, rudder damage on general cargo vessels and container vessels, as well as special characteristics of bulk carriers

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, fleet managers, nautical officers
Requirements:	Technical and maritime knowledge
Duration:	1 day
Category:	Advanced
Further recommendations:	Ship Technology Basics, Damages to Machinery and Repairs



Ship Technology

Consideration of Local Ship Vibration in the Design Process

Content

The module starts with a general introduction into ship vibration. It is described how different vibration phenomena are considered in the design process and an overview of relevant guidelines is given. After a summary of vibration measurement techniques focus will be put on local structural vibration. A suitable design concept for the determination of stiffening schemes with regard to local vibration characteristics is proposed. The usage of GL.LocVibs for the fast estimate of the natural frequencies of local structures is illustrated by aid of a simple example. Subsequently, case studies are conducted in order to train the methods on different examples from shipbuilding practice, which cover typical practical problems.

Course objective

- To become familiar with concepts to consider local vibration aspects in the early ship design stage
- An effective software tool enables the user to deal with local vibration questions in an effective and practical way
- To be sensitised to different typical problems regarding local vibration estimation

Emphasis

- Local vibration in the context of other vibration related phenomena
- Vibration investigation of deck structures and tank walls
- Use of GL.LocVibs Software by means of typical practical problems

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Yard: Design managers, engineers (naval architects)
Requirements:	Basic knowledge of structural design of ships is helpful; Laptop with GL Software GL.LocVibs is required (free download under www.gl-group.com > Maritime Services > Consulting Services > Vibration > GL.LocVibs > Download and Installation).
Duration:	2 days
Category:	Advanced
Further recommendations:	Ship Structural Design, Design for Production



Ship Technology

Bridge Design, Equipment and Arrangement

Content

The module introduces various regulations regarding bridge design. Important topics will be explained using the relevant regulations and examples. Practical case studies demonstrating optimum bridge design (e.g. development of a bridge design fulfilling Panama's and the latest IMO requirements) are included.

Course objective

Understanding the existing regulations for bridge design as a help during newbuilding specification and modification of vessels.

Emphasis

- Regulations
 - International
 - National
 - GL
 - IACS
 - Panama Canal
- Importance of bridge design
- Structure and content of the most important regulations
- Overview of present and future developments

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work, practical training
Target groups:	Shipping Companies: Technical directors (CTO); Yard: Design managers, engineers (naval architects)
Requirements:	Basic knowledge of shipping
Duration:	0,5 days
Category:	Advanced
Further recommendations:	Shipbuilding Basics



Ship Technology

Hull Monitoring

Content

The course gives an introduction to the basics of hull monitoring. After clearing standard terms and definitions, the participants will be introduced to the assessment criteria for failure modes and potential problem areas. Afterwards documentation and reporting will be discussed. The course will be completed with different case studies.

Course objective

During the course participants will gain knowledge about definitions, corrosion and hull strength. They will be introduced to a rating system and reporting. The participants will gain focus to the critical areas of a vessel.

Emphasis

- Basics of hull monitoring
- Case studies

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Superintendents, fleet managers, nautical officers, engineers
Requirements:	Practical experience with ship' operations
Duration:	1 day
Category:	Advanced
Further recommendations:	Damages to Hull and Equipment, Practical Aspects of Corrosion Protection for Shipping Companies and Shipyards



Ship Technology

Practical Aspects of Corrosion Protection for Shipping Companies and Shipyards

Content

Participants learn the various methods of surface preparation as well as the relevant coating systems in shipbuilding today, and the consequences of their improper application will be discussed using the examples of actual damages. The relevant regulations regarding corrosion protection in shipbuilding are introduced. Tips for effective quality control are provided. Practical case studies are used to illustrate the issues and to demonstrate using checklists developed by GL as well as quality control methods.

Course objective

Participants will gain knowledge about corrosion protection and quality control methods.

Emphasis

- Surface preparation
- Coating systems
- Active and passive corrosion protection
- Quality control measures

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Superintendents, fleet managers; Yard: Design managers, engineers (naval architects), production managers, engineers
Requirements:	Basic knowledge and experience in corrosion protection
Duration:	1 day
Category:	Advanced
Further recommendations:	Hull Monitoring, Certified Coating Inspector according to IMO PSPC



Ship Technology

Certified Coating Inspector according IMO PSPC

Content

The module has been specifically developed for the shipping industry in order to train coating inspectors in agreement with the IMO Performance Standard for Protective Coatings (PSPC). Interactive case studies support the learning process during the theoretical part of the course. The practical part of the course contains tests and inspections, and is conducted in facilities that are equipped accordingly. Successful participation will be verified through an examination and will be confirmed with a test and a certificate which also certifies that the qualification is recognised internationally. The module is offered in cooperation with the company Muehlhan AG.

Course objective

Inspecting, measuring and assessing coatings and coating application processes, establishing and maintaining the documentation according to the official ship's Coating Technical File (CTF).

Emphasis

- Corrosion
- Surface finishing and coating application
- Coating systems
- Inspection procedures and test standards
- Health, safety and environmental protection (HSE)
- Documentation
- Practical training

Certificate:	GL Academy Certificate approved by major Flag States This course meets the requirements of the IMO Performance Standard for Protective Coatings (PSPC)
Methods:	Presentation, case studies, group work, practical training
Target groups:	Yard: Production managers, engineers
Requirements:	<ul style="list-style-type: none"> • A completed education and apprenticeship in building, machine and industrial painting, hot dip galvanizing, thermal spray metallising, electrolytic coating application or automobile finishing + Five years experience in the field of painting OR • College education or equivalent in the fields of mechanical engineering, ship construction, metallurgy, chemistry, chemical engineering, physics or civil engineering + Two years experience in the field of painting OR



Ship Technology

- Not having one of the above qualifications at least seven years of experience in the field of painting is required

Duration:

6.5 days

Category:

Advanced plus

Further recommendations:

Shipbuilding Basics



Ship Technology

Fatigue Assessment of Ship Structures

Content

Ship and other marine structures are affected by stresses varying over time to a large extent. These cyclic stresses are mainly caused by the seaway, but also by propulsion plant excitation forces as well as by changes in loading conditions. During the past years, evaluation of fatigue life of ship structures gained significance because of the continuous trend towards lightweight and highly optimised structures, as well as the intensified use of higher tensile steel. In the course, suitable tools for fatigue assessment will be presented with respect to the following problems:

- Avoidance of cracks in cyclic-loaded structural components
- Prediction of fatigue lifetime of marine structures
- Verification of damages in view of appropriate repair measures

Course objective

The course offers a systematic overview of fatigue fundamentals as well as practical application of various approaches for the fatigue assessment of welded joints and free-plate edges in maritime structures.

Emphasis

Different approaches as well as applications will be presented with special focus on ships and other marine structures:

- Fatigue basics
- Nominal stress approach
- Structural or hot-spots stress approach
- Notch stress approach
- Fracture mechanics approach
- Spectral analysis
- Common Structural Rules for tankers and bulk carriers
- Finite element calculations, damage cases

Main focus will be on the nominal stress approach as it is implemented in GL-fatigue rules.

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Yard: Design managers, engineers (naval architects), production managers, engineers
Requirements:	Knowledge in strength and design of marine structures
Duration:	1.5 days
Category:	Advanced
Further recommendations:	Shipbuilding Basics



Ship Technology

Planning and Production in a Modern Shipyard

Content

Based on the specifics of a modern shipyard, this module starts with a look at the suitable management and organisation structure. Planning, control and logistic concepts are explained by means of workflow for the main processes acquisition, production planning and manufacturing. Mechanised or automated production technology covers all areas of hull construction, beginning with steel storage, via cutting parts, pre-assembly and block assembly to final dock assembly. Highly productive production methods and production lines are introduced and explained. Case studies are used to enhance the presented material.

Course objective

- Gaining basic and detailed knowledge about the complex processes in a modern shipyard
- Identify approach for the modernisation methods of own shipyard

Emphasis

Day 1: Planning, control and logistic concepts

Day 2: Production technology

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Yard: Vice president, technical directors, managing directors (CEO)
Requirements:	Basic knowledge and experience in the fields of organisation, planning and shipbuilding technology
Duration:	1.5 days
Category:	Advanced
Further recommendations:	Shipbuilding Basics, Ship Technology Basics, Classification and Preparation of Newbuilding Surveys



Ship Technology

Maintenance of Life-Saving Appliances and Fire-Fighting Equipment on Board Seagoing Ships

Content

This module provides an overview on the legal framework and gives advice on the practical implementation of provisions for the maintenance of life-saving appliances and fire-fighting equipment on board seagoing ships. The applicable international minimum standard to be met, additional requirements adopted by individual flag state administrations and provisions imposed by classification societies are introduced. Equipment, appliances and systems subject to specific statutory or class maintenance requirements are identified, also in terms of on board maintenance and service to be provided by shore-based service suppliers. By means of practical case studies the presented material is discussed and the participant's knowledge is broadened. The scope of maintenance exemplarily illustrated for selected fixed fire-fighting systems completes this module.

Course objective

Participants will gain thorough knowledge on the applicable provisions which are to be implemented in the operational maintenance routine on board. This course will qualify participants to be competent contact persons within the company's operation ashore and on board the ships, as well as in corresponding port state matters and for companies providing surveys and maintenance services.

Emphasis

- Legal framework on maintenance of life-saving appliances and fire-fighting equipment
- Specials of flag state administrations and other particularities
- Equipment, appliances and systems subject to specific maintenance requirements
- Interpretation and practical application of the rules and regulations
- Documentation required on board
- Tools and information available
- Examples on scope of maintenance for fixed firefighting systems
- Practical case studies

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, fleet managers, quality managers, designated persons, nautical officers, engineers
Requirements:	Knowledge of ship operation
Duration:	0.5 days
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations, Surveys and Certificates



Ship Technology

Fuel Saving

Content

This seminar is designed to give an overview of fuel saving options in design, re-design and operation of ships. The seminar reviews basics of combustion, machinery and hydrodynamics to ensure a common ground, before going into options and related tools to make ships more fuel efficient.

Course objective

Participants will gain knowledge about a wide scope of fuel saving options, necessary for quick assessment of most promising options for an individual ship and intelligent dialogue with assorted specialists.

Emphasis

- Energy conversion
- Combustion engines
- Ship resistance & propulsion
- Onboard consumers
- Saving fuel (hydrodynamics, machinery & operation)

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Technical directors (CTO), superintendents, fleet manager; Crewing agency: Nautical officers, Engineers; Yard: Technical directors (CTO)
Requirements:	Basic engineering knowledge, simple pocket calculator needed
Duration:	2 days
Category:	Advanced



Maritime Seminars

Marine Environmental Protection

Implementation and Internal Auditing of an Environmental Management System in Shipping Companies

Ballast Water Management

Waste Management

Fuel Tank Protection

Handling and Transport of Dangerous Goods

Approved HazMat Expert



Marine Environmental Protection

Implementation and Internal Auditing of an Environmental Management System in Shipping Companies

Content

This module imparts detailed knowledge about the establishment of an integrated management system. Possible approaches to tasks in shipping companies are developed. Numerous case studies give participants the opportunity to gain practical experience.

Course objective

Competence to implement the ISO 14001:2004 standard in shipping companies.

Emphasis

- The requirements of ISO 14001:2004
- Parallels and differences compared to the ISM Code
- Contents for internal auditing of an environmental management system
- Problem zones

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Quality managers
Requirements:	Knowledge of the ISM Code
Duration:	2 days
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations, ISM Basics, Lead Auditor Environmental Systems ISO 14001



Marine Environmental Protection

Ballast Water Management

Content

Participants are informed about current requirements for ballast water management. Technical solutions for ballast water exchange are explained with an emphasis on container vessels and other cargo vessels. In addition to the current state of development, an outlook on future treatment methods is given.

Course objective

Knowledge of regulations and technical solutions.

Emphasis

- The latest developments in national and international regulations regarding ballast water management
- Treatment and on board systems
- Most recent developments

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, nautical officers, engineers; Yard: Design managers, engineers (naval architects), production managers, engineers; Material and Components: Engineers
Requirements:	Basic maritime knowledge
Duration:	0,5 days
Category:	Advanced



Marine Environmental Protection

Waste Management

Content

The module provides an overview of the legislation addressing ships' waste disposal (international, national, regional). Furthermore, the subjects of waste production and waste minimisation through optimised supply are addressed. Different waste treatment practices on board are introduced as well as the requirements for reporting and recording of disposals, and examples of optimised waste disposals are presented. Information is provided on the treatment of hazardous waste.

Course objective

Gaining knowledge about optimising shipboard and onshore adopted waste management.

Emphasis

- MARPOL Annex V, US Coast Guard rules, HELCON and EC waste laws
- German regulations addressing shipping
- Basics of waste treatment systems on board and on shore
- Understanding port reception facilities as a ship-shore interface
- Adopted waste management between port and ship
- Administrative control measures (waste record books)
- Exemplary optimisation options and the latest technical developments

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, fleet managers, nautical officers, engineers; Material and Components: Engineers
Requirements:	Basic knowledge of shipping
Duration:	1 day
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations



Marine Environmental Protection

Fuel Oil Tank Protection

Content

The module covers the new international maritime regulations on avoiding marine pollution. To also avoid or minimise the leakage of fuel, it will be necessary to protect fuel tanks against damages through appropriate directives in future. Interpretation and application of the regulations are supported by a case study with a container vessel. Technical solutions are a theme for discussion.

Course objective

Proficiency in applying the new IMO requirements.

Emphasis

- Draft of new, revised MARPOL Annex I, regulation [12A]
- Design solutions for the probabilistic oil outflow requirement with focus on container vessels

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents; Yard: Design managers, engineers (naval architects), production managers, engineers
Requirements:	Basic maritime knowledge
Duration:	0.5 days
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations



Marine Environmental Protection

Handling and Transport of Dangerous Goods

Content

The course contains the practical and theoretical work with the regulations for the transport and handling of dangerous goods (i.e. IMDG-Code, ADR/RID) and the applicability of the regulations for implementing into national legislation. Participants will receive practical knowledge to work with regulations concerning the transport modes of sea and road, CSC regulations and CTU guidelines as well.

Course objective

Participants will gain basic and more detailed knowledge about the different transport modes and their regulations and will enable them to give information to third parties.

Emphasis

- IMDG-Code
- ADR
- CSC (Convention of Safe Containers)
- CTU (Cargo Transport Units)
- SOLAS, MARPOL

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, fleet managers, CSO, quality managers, designated persons, nautical officers, engineers
Requirements:	Basic knowledge about transport and shipping
Duration:	2 days
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations



Marine Environmental Protection

Approved HazMat Expert

Content

The seminar has been specifically developed in order to train HazMat Experts in line with the IMO Guidelines for Preparation of Inventory of Hazardous Materials (IHM). The course outlines the rules and regulations in respect of ship recycling including requirements for shipowners and documentation of hazardous materials for allowing safe ship dismantling activities.

Interactive case studies support the learning process during the theoretical part of the course. The practical part will help to complete the aim of the course to prepare Inventories of Hazardous Materials onboard of ships. Successful participation will be verified through an examination and will be confirmed with a test and a certificate.

Course objective

Undertaking a comprehensive preparation of IHM like desk preparations (incl. check of documentation), development of "Visual Sampling and Check Plan", taking of samples onboard, laboratory work, follow up of related documentation, calculation of analysis results, interpretation of results and summary in form of the IHM.

Emphasis

- Knowledge on relevant legislation
- Evaluation of onboard situation
- Preparation for onsite inspection
- Communication and software tool
- Safe working conditions
- Conduction onboard inspections
- Taking of samples & statistics
- On-site derivation from sampling plan acc. to unexpected situations
- Analysis of samples
- Interpretations of analysis results
- Preparation of reports
- Preparation of ship specific IHMs

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work, practical training
Target groups:	Shipping Companies: Superintendents, fleet manager; Surveyors
Requirements:	Persons with shipping knowledge or with HazMat knowledge
Duration:	4 days
Category:	Advanced plus



Maritime Seminars

Management of Risks and Emergencies

Basics of Maritime Accident and Incident Investigations

Emergency Preparedness and Crisis Management

Simulator Training Emergency Preparedness

Advanced Maritime Accident Investigations and Analysis

Dealing Successfully with the Press in Maritime Emergencies

Workshop ISPS Exercise

Application of Risk Assessment in Tanker Management and Self Assessment (TMSA)

ISM/TMSA Workshop – Risk Assessment, Change Management, Incident Investigation

Computer Based Technical Response on Emergencies



Maritime Seminars

Management of Risks and Emergencies

Basics of Maritime Accident and Incident Investigations

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Simulator Training Emergency Preparedness

Advanced Maritime Accident Investigations and Analysis

Dealing Successfully with the Press in Maritime Emergencies

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ISM/TMSA Workshop – Risk Assessment, Change Management, Incident Investigation

Computer Based Technical Response on Emergencies



Management of Risks and Emergencies

Basics of Maritime Accident and Incident Investigations

Content

This course provides an overview of maritime accident and incident investigation. Incident investigations can improve the overall safety level and awareness in shipping companies. This is why there are also a number of obligations to investigate maritime accidents and incidents in the domestic legal instruments of flag states and certainly in the ISM Code. The participants will be introduced to the basic requirements and procedures of maritime accident and incident investigation, which will allow them to effectively support such investigations in shipping companies.

Course objective

The course provides a basic understanding of procedures involved in, and requirements for, maritime accident and incident investigations. The participants will be able to participate in maritime accident and incident investigation in shipping companies. Furthermore, the participants will be able to support the related follow-up activities to maritime accident and incident investigations in shipping companies.

Emphasis

- Maritime accident and incident investigation and maritime safety
- Legal and other requirements for accident and incident investigations
- Procedures for accident and incident investigations
- Basic tools for accident and incident investigations
- Introduction to analysis and follow-up activities to accident and incident investigations

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Superintendents, fleet managers, designated persons, nautical officers, engineers
Requirements:	Good knowledge of domestic requirements of flag states as well as a good knowledge of the ISM Code as well as a positive attitude to technical issues
Duration:	1 day
Category:	Basic
Further recommendations:	ISM Basics, Advanced Maritime Accident Investigations and Analysis, Emergency Preparedness and Crisis Management, ISM/TMSA Workshop – Risk Assessment, Change Management, Incident Investigations



Management of Risks and Emergencies

Emergency Preparedness and Crisis Management

Content

In emergencies it is crucial that the right decisions are taken. This workshop introduces methods which allow controlled decision-making under the conditions of great stress. The principles of crisis management are imparted and discussed in case studies and role plays. In particular the influence of the human element of emergency situations is addressed.

Course objective

Ability to improve a company's emergency preparedness and control of one's own behaviour in emergency situations.

Emphasis

- Requirements for contingency planning [SOLAS, ISM, IMO Res. A852 (20)]
- Requirements for training, drills and exercises
- Tasks and duties of emergency teams on board and ashore
- Behaviour of individuals and teams in high-stress situations
- Dealing with the media and public in emergency situations

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Superintendents, fleet managers, CSO, designated persons, nautical officers, engineers
Requirements:	Basic knowledge of contingency planning in shipping
Duration:	1 day
Category:	Basic
Further recommendations:	Simulator Training Emergency Preparedness, Basics of Maritime Accident and Incident Investigations, Advanced Maritime Accident Investigations and Analysis, Workshop ISPS Exercise, Dealing Successfully with the Press in Maritime Emergencies



Management of Risks and Emergencies

Simulatortraining Emergency Preparedness

Content

This practical simulator exercise builds on and complements the workshop Emergency Preparedness and Crisis Management. The participants have to respond to a possible, simulated, real-case emergency scenario. The bridge team, with the support of the on-shore emergency response team, has the challenge to manage the emergency. A bridge simulator provides for realistic surroundings.

Course objective

Practical implementation of knowledge, understanding and proficiency of emergency management and to enhance the competencies to manage emergencies.

Emphasis

- Communication and cooperation ship-shore and vice versa
- Coordination and assignment of available resources
- Implementation of measures to get the situation under control and to minimise damage
- Goal- and team-oriented action

Certificate:	GL Academy Certificate
Methods:	Practical training
Target groups:	Shipping Companies: Superintendents, nautical officers, engineers, SSO
Requirements:	Profound knowledge of contingency planning in shipping
Duration:	1 day
Category:	Advanced
Further recommendations:	Emergency Preparedness and Crisis Management



Management of Risks and Emergencies

Advanced Maritime Accident Investigations and Analysis

Content

Effective accident analysis is one option to reduce accidents and incidents in shipping companies. The necessary procedures and tools for effective accident and incident analysis are not necessarily part of the usual training profile in shipping companies. Many of these tools and procedures have been developed in other safety relevant industries, such as aviation, nuclear power or chemical industries. In recent years, thorough accident/incident investigation and analysis has become more and more the focus in the shipping business with the objective to avoid damage to human life, the environment and property. This course will introduce selected tools and procedures that will enable the experienced investigator to improve its effectiveness and the quality of the analysis of maritime casualties and incidents.

Course objective

The course will focus on accident analysis tools suitable for use in the maritime industry. The participants will be able to improve their skills regarding casualty investigation and analysis. As a result of tools and procedures introduced the participants will be able to lead investigations and to carry out a thorough analysis of accidents and incidents.

Emphasis

- Systematic gathering of evidence
- Interviewing techniques
- Reconstructing the accident event sequence
- The concept of safety barriers in shipping operations
- Safety analysis following maritime accidents and incidents

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Superintendents, nautical officers, engineers
Requirements:	Good knowledge of domestic requirements of flag states as well as a good knowledge of the ISM Code is required. Participants of this course should have attended a foundation course in casualty investigation.
Duration:	1 day
Category:	Basic
Further recommendations:	Basics of Maritime Accident and Incident Investigations, Emergency Preparedness and Crisis Management, ISM/TMSA Workshop – Risk Assessment, Change Management, Incident Investigations



Management of Risks and Emergencies

Dealing Successfully with the Press in Maritime Emergencies

Content

This module provides an introduction to the goal-oriented dealings with the press during maritime emergencies. Self-confidence in communicating with representatives of the media will be acquired through the use of role plays. Methods will be shown how to train one's own behaviour in order to show confidence. The module is conducted in cooperation with Kortmann and Schäfer Training, experts in crisis management.

Course objective

Proficiency in crisis management.

Emphasis

- Definition and functions of public relations (PR)
- Fundamental managerial goals (to become known, positive image, trust, motivation, etc.)
- Press releases/self-management
- Overview of the forms of communicating with the press (the four PR models)
- The PR planning process (1. situation analysis, 2. concept development, 3. implementation of the concept, 4. evaluation of results)
- Mental training – performance in a nutshell
- Crisis PR: handling a crisis adequately
- Contents of press releases
- The interview – preparation is everything

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work, role plays, practical training
Target groups:	Shipping Companies: Vice presidents, technical directors (CTO), managing directors (CEO), superintendents, fleet managers, chief operating officers (COO), CSO, designated persons, nautical officers, engineers, SSO
Requirements:	Basic knowledge of contingency planning in shipping
Duration:	2 days
Category:	Advanced
Further recommendations:	Emergency Preparedness and Crisis Management



Management of Risks and Emergencies

Workshop ISPS Exercise

Content

This module covers the planning and performance of security exercises as required by the ISPS Code Part A/13.5 taking into account the guidance given in Part B/13.7 of this Code. Based on a specific shipboard emergency scenario, a table-top simulation exercise is carried out in the course room. The exercise incorporates the participation of shore organisations (CSO, Emergency Response Team) and measures by relevant authorities. The coordination and effectiveness of response measures and communication procedures are discussed and evaluated. This module is performed in cooperation with the company SEC4 Global Projects, an expert in operational risk and security management.

Course objective

The participants' preparedness for emergencies in their own company is enhanced; increasing the effectiveness of your own SSP.

Emphasis

- Legal requirements and guidance for the performance of exercises
- Exercise planning and exercise programme management
- Combined safety and security exercises
- Initial and subsequent response measures
- Reaction to changing circumstances
- De-escalation methods
- Cooperation and communication in emergency situations

Consideration

It is recommended to carry out the following additional measures within your own organisation subsequent to the workshop:

- Performance of at least one ship-shore security exercise in order to take into consideration individual flag state requirements
- Assessment of the suitability and effectiveness of the SSPs maintained on your own company vessels based on the exercise results
- Company-specific reporting, recording and evaluation of the table-top and communication exercise as documented evidence for the performance of a security exercise in conformance with ISPS Code B/13.7.2

Certificate:

GL Academy Certificate

This exercise documents evidence for the performance of a security exercise in conformance with ISPS Code A/13.5 and B/13.7.2

Methods:

Presentation, case studies, group work, tabletop exercise



Management of Risks and Emergencies

Target groups:	Shipping Companies: Superintendents, fleet managers, CSO, designated persons, nautical officers, engineers, ratings, SSO, assistants (inspection)
Requirements:	Knowledge of ship operations
Duration:	1 day
Category:	Advanced
Further recommendations:	ISPS Basics, Company/Ship Security Officer /CSO/SSO) Training Course



Management of Risks and Emergencies

Application of Risk Assessment in Tanker Management and Self Assessment (TMSA)

Content

This module provides an introduction to qualitative hazard identification and risk assessment methods, as can be applied in selected elements of TMSA. Starting with an introduction to the process of risk analysis and the terminology, selected methods are presented. The participants work on individual steps of hazard identification and risk analysis using practical case studies.

Course objective

Ability to conduct hazard identification and risk assessment for selected systems and with a selection of suitable methods.

Emphasis

- Foundations of the risk assessment process
- Qualitative methods of hazard identification
- Qualitative methods of risk assessment
- Tanker Management and Self Assessment (TMSA)

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, fleet managers, designated persons, nautical officers, engineers
Requirements:	Technical background
Duration:	1.5 days
Category:	Advanced
Further recommendations:	ISM/TMSA Workshop – Risk Assessment, Change Management, Incident Investigations



Management of Risks and Emergencies

ISM/TMSA Workshop – Risk Assessment, Change Management, Incident Investigation

Content

The module explains a practical application of hazard identification, risk assessment and management methods in accordance with the objectives of the ISM Code taking into account “TMSA Best Practice Guidance” particularly with regard to the management of change process. A systematic approach and the application techniques for incident investigation based on the requirements of ISM Code element 9 and TMSA element 8 is imparted. Individual steps of the process are exemplified with practical exercises.

Course objective

Gaining knowledge of practical risk assessment and incident investigation.

Emphasis

- ISM and TMSA elements related to risk assessment
- Practical step-by-step approach to risk assessment: system and hazard identification
- The application of change management according to TMSA
- Methods of incident investigation and analysis according to ISM/TMSA

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Technical directors (CTO), managing directors (CEO), superintendents, quality managers, designated persons, nautical officers, engineers
Requirements:	Knowledge of ship operation; prior attendance of the module “Application of Risk Assessment in Tanker Management and Self Assessment (TMSA)” is recommended
Duration:	2 days
Category:	Advanced
Further recommendations:	Application of Risk Assessment in Tanker Management and Self Assessment (TMSA)



Management of Risks and Emergencies

Computer-Based Technical Response on Emergencies

Content

The module provides a comprehensive overview in terms of using simulation software as technical support for emergencies. As an introduction the different damage types and their consequences with regard to ship and the environment as well as the current situation of the regulations will be presented. Furthermore, the course provides a deep insight into the necessary calculations in case of emergencies. In order to assess the situation of the vessel, required software and input data will be discussed. The course will be completed by practical exercises through which the participants will gain good knowledge of handling emergency situations.

Course objective

To become familiar with possibilities of computer based support during emergencies.

Emphasis

- Different types of damages
- Requirements during an emergency case
- Emergency developments
- Legal matters
- Classification's role in the case of an emergency

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work, practical training
Target groups:	Shipping Companies: Superintendents, fleet managers, designated persons, nautical officers, engineers, SSO, assistants (inspection); Yard: Design managers, engineers (naval architects)
Requirements:	Basic knowledge in naval architecture and contingency planning
Duration:	1 day
Category:	Advanced
Further recommendations:	Emergency Preparedness and Crisis Management



Maritime Seminars

Ship Types

Container Ships – Technical and Operational Aspects

Oil and Chemical Tankers – Technical and Operational Aspects

Bulk Carriers – Technical and Operational Aspects

High-Speed Craft (HSC) – Technical and Operational Aspects

Maritime Regulations for Naval Vessels

Multi-Purpose Ships – Technical and Operational Aspects



Ship Types

Container Ships – Technical and Operational Aspects

Content

The participants receive an overview of the development of container ships as well as the special concepts of ship design. This knowledge is complemented by operational aspects concerning container ships. Practical case studies are used to enhance the presented material.

Course objective

Participants will be gaining expertise about current design and operational aspects.

Emphasis

- Construction and equipment of container ships
- Cargo securing and stowage
- Technical solutions for ballast water exchange
- Hazards during ship operation

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, fleet managers, quality managers, designated persons, nautical officers, engineers, ratings, assistants (inspection)
Requirements:	Basic knowledge of maritime regulations
Duration:	1 day
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations



Ship Types

Oil and Chemical Tankers – Technical and Operational Aspects

Content

Participants are given an overview of current and future developments, and aspects in tanker operation and amendments to IMO conventions, as well as IACS requirements. Practical case studies derived from ship operation are used to enhance the presented material. In addition, revised MARPOL Annex II and IBC Code and their impact and consequences on the fleet are dealt with.

Course objective

Participants will gain expertise in technical and operational aspects of tankers in fleet service as well as the system of maritime regulations that especially apply to oil and chemical tankers in the fields of ship security and protection of the marine environment.

Emphasis

- Tanker types, design and construction
- Relevant organisations and regulations concerning tankers (e.g. IMO, IACS, OCIMF, SOLAS, MARPOL, IBC Codes)
- Plan approval, newbuilding supervision, surveys and certificates
- Technical and operational aspects (e.g. cargo operation, tank cleaning, ballast operations, environmental aspects)
- Safety aspects (e.g. gas-freeing of cargo tanks, tank inspection, fire protection and firefighting)

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, fleet managers, quality managers, designated persons, nautical officers, ratings; Yard: Design managers, engineers (naval architects), production managers, engineers; Material and Components: Engineers
Requirements:	Basic knowledge of the shipping industry and maritime regulations
Duration:	1 day
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations, ISM/TMSA Workshop – Risk Assessment, Change Management, Incident Investigation



Ship Types

Bulk Carriers – Technical and Operational Aspects

Content

This module introduces the current regulatory framework for bulk carriers and considers its future amendments. The directly implied consequences of these requirements on the operation of ships and their construction will be dealt with. Information on current market development in the shipping sector enhances the knowledge gained.

Course objective

Provision of profound and actual knowledge within the regulatory framework for the ship type segment Bulk Carrier. Acquired knowledge assists in the evaluation process for prompt investment and operating cost calculations, and therefore simplifies the decision-making processes.

Emphasis

- Regulatory framework of bulk carriers
 - IMO Conventions and Codes (e.g. SOLAS, MARPOL, Load Line, Grain Code, ESP, BC Code, BLU Code)
 - Regional and national regulations (e.g. EU Directives)
 - IACS (Unified Requirements, Interpretations and Recommendations, Common Structural Rules)
 - GL (Rules and Guidelines)
- Technical and operational consequences
- Market information
- GL services for bulk carriers

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, fleet managers, quality managers, designated persons, nautical officers, engineers, ratings, assistants (inspection)
Requirements:	Experience in the bulk carrier shipping segment
Duration:	1 day
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations



Ship Types

High-Speed-Craft (HSC) – Technical and Operational Aspects

Content

This module mainly deals with structural aspects of design, construction and ships in service. The information provided will be illustrated using numerous practical examples.

Course objective

Establishing an understanding of the advantages and disadvantages of HSC and lightweight construction during design, construction and ship-in-service.

Emphasis

- Philosophy of the HSC code – what is the idea behind the HSC code?
- HSC ship types
- Special aspects of lightweight construction – use of aluminium and fibre-reinforced plastics
- Damage and avoidance of damage

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, fleet managers, quality managers, designated persons; Yard: Design managers, engineers (naval architects)
Requirements:	Basic maritime and technical knowledge
Duration:	1 day
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations



Ship Types

Maritime Regulations for Naval Vessels

Content

This module introduces regulations for the construction and equipment of naval vessels with respect to ship safety and environmental protection. This module can only be booked as an in-house course.

Course objective

Knowledge of the system of regulations for naval vessels (content, procedures and changes).

Emphasis

- Naval class rules of Germanischer Lloyd
- SOLAS
- MARPOL

Further topics can be dealt with according to individual requests.

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Yard: Design managers, engineers (naval architects)
Requirements:	Basic knowledge of shipping
Duration:	According to individual arrangements
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations



Ship Types

Multi-Purpose-Ships – Technical and Operational Aspects

Content

The course focuses on the problem of stability when loading or discharging heavy cargo units and the discussion of practical aspects of loading and discharging.

Course objective

Nautical officers without experience on multi-purpose ships will be led to a basic understanding of problems of general cargo and heavy-lift operations. Participants without nautical background will gain a better understanding of particular operations and decisions of the master.

Emphasis

- Short recapitulation of basics of stability (inclining and uprighting moments, stable and unstable equilibrium)
- Knowledge of relevant regulations
- Aspects of naval architecture of multi-purpose ships
- Change of stability during heavy-lift operations
- Problem of unstable equilibrium with negative GM
- Inclining moments and counter measures (ballast, stability pontoon, supporting leg)
- Practical aspects of stowage of heavy-lift units
- Basic knowledge of securing cargo

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, fleet managers, quality managers, designated persons, nautical officers, ratings, assistants (inspection)
Requirements:	Basic knowledge about stability or course “Basic Ship Stability”
Duration:	0.5 days
Category:	Advanced
Further recommendations:	Introduction to the System of Maritime Regulations, Update Ship Stability



Maritime Seminars

Marine Safety Management Systems

ISM Basics

ISM for Ship Management Personnel

Internal Auditor ISM/ISO 9001:2008 for Shipping Companies

Harmonisation of Safety (ISM) and Security (ISPS) Management Systems

Designated Person Ashore (DPA) Training Course



Marine Safety Management Systems

ISM Basics

Content

This module deals with the requirements of the ISM Code for shipping companies and ships' staff. In addition, the obligations and responsibilities of the parties involved in the implementation of the ISM Code are explained. Methods of implementing and maintaining the system in the shore organisation and on board ships are presented.

Course objective

Comprehensive basic knowledge of the ISM Code and the related safety management system.

Emphasis

- Introduction to the 16 elements of the ISM Code
- Purpose and objectives of safety management systems
- Internal and external system verification
- Interpretations and requirements of major flag states
- Group discussions of case studies on problem areas

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Internal auditors, nautical officers, engineers, ratings, assistants (management, inspection, quality/ISM)
Requirements:	Basic maritime knowledge
Duration:	1 day
Category:	Basic
Further recommendations:	ISM for Shipmanagement Personnel, Internal Auditor ISM/ISO 9001:2008 for Shipping Companies



Marine Safety Management Systems

ISM for Ship Management Personnel

Content

This module focuses, in particular, on the responsibilities of the master and the ships' officers. Critical points and experiences with ISM are discussed. The knowledge conveyed is intended to promote the acceptance of security management systems.

Course objective

Advanced knowledge about the implementation of the ISM Code on board ships.

Emphasis

- ISM Code requirements
- Shipboard operations, maintenance and training
- Internal audits
- Reporting and monitoring of the safety management system
- Advantages of the ISM Code

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, fleet managers, quality managers, designated persons, nautical officers, engineers
Requirements:	Basic knowledge of the ISM Code
Duration:	1 day
Category:	Advanced
Further recommendations:	Internal Auditor ISM/ISO 9001:2008 for Shipping Companies



Marine Safety Management Systems

Internal Auditor ISM/ISO 9001:2008 for Shipping Companies

Content

The different types and phases of audit are introduced. The audit process is introduced by means of practical case studies related to shipping. Possible disputes occurring during audit performance are dealt with in a role play. The workshop is based on the recommendations for the qualification of auditors contained in ISO Standard 19011.

Course objective

Qualification as internal auditor (ISM/ISO 9001:2008).

Emphasis

- Requirements ISM/ISO for auditors
- Planning, preparation and performance of audits
- Peculiarities of shipboard audits
- Handling of non-conformities and corrective actions
- Interview techniques and social skills of auditors

Certificate:	GL Academy Certificate This course fulfils the recommendations for the qualification of auditors contained in ISO Standard 19011.
Methods:	Presentation, case studies, group work, role plays
Target groups:	Shipping Companies: Superintendents, quality managers, internal auditors, nautical officers, engineers
Requirements:	Basic knowledge of the ISM Code
Duration:	2 days
Category:	Advanced plus
Further recommendations:	Harmonisation of Safety (ISM) and Security (ISPS) Management Systems, Lead Auditor ISO 9001:2008



Marine Safety Management Systems

Harmonisation of Safety (ISM) and Security (ISPS) Management Systems

Content

The workshop provides information about implementation and maintenance of shipping-related harmonised management systems. The two management systems (ISM and ISPS) are compared. Common features, differences and conflicts are discussed. The pros and cons of harmonisation of the required certificates are explained in detail.

Course objective

Gaining knowledge for implementing the harmonisation.

Emphasis

- Structure of a harmonised management system (ISM/ISPS)
- Internal audits of harmonised management systems
- Harmonised system reviews (ISM/ISPS)
- Harmonisation of relevant certificates (SMC and ISSC)

Certificate:	GL Academy Certificate
Methods:	Presentation
Target groups:	Shipping Companies: Superintendents, CSO, quality managers, designated persons, SSO
Requirements:	Knowledge of the relevant requirements (ISM/ISPS) and the associated management systems
Duration:	2 days
Category:	Advanced
Further recommendations:	Internal Auditor ISM/ISO 9001:2008 for Shipping Companies, ISPS Internal Auditor for Shipping Companies



Marine Safety Management Systems

Designated Person Ashore (DPA) Training Course

Content

The course provides participants with the knowledge, understanding and proficiencies necessary for undertaking the role of the Designated Person (DP) under the provisions of the ISM Code. Practical case studies and exercises are used to illustrate duties, tasks and responsibilities of the DP and possible measures to comply with the safety and environmental protection requirements as laid down in the ISM Code. Achievement of competencies is assessed by means of a final test.

Note

In accordance with the German shipping administration (SeeBG) "Guideline for Implementation Ashore of the International Safety Management Code (ISM Code) in Shipping Companies" it is recommended that the Designated Person should possess the qualifications, training and experience which are listed in MSC-MEPC.7/Circ.6.

Course objective

- Provision of training related to safety management elements in compliance with the requirements of the ISM Code, taking into account the guidance issued by the IMO to qualify as DP
- Update of knowledge and awareness of developments regarding ISM matters for persons acting as DP

Emphasis

- Knowledge and understanding of the ISM Code
- Handling of maritime rules, regulations, guidelines and recommendations
- Key elements for implementation and maintenance of the SMS
- Assessment techniques of examining, questioning, evaluating and reporting
- Operational aspects of safety management
- Marine-related management system audits
- Effective communication with shipboard staff and shore management

Certificate:	GL Academy Certificate This course fulfils the IMO MSC-MEPC.7/Circ.6 "Guideline for Implementation Ashore of the International Safety Management Code (ISM Code) in Shipping Companies"
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Superintendents, quality managers, designated persons, nautical officers, engineers
Requirements:	Basic knowledge of shipping





Marine Safety Management Systems

Duration:	2 days
Category:	Advanced plus
Further recommendations:	Internal Auditor ISM/ISO 9001:2008 for Shipping Companies, Harmonisation of Safety (ISM) and Security (ISPS) Management Systems



Maritime Seminars

Maritime Security

ISPS Basics

Company/Ship Security Officer (CSO/SSO) Training Course

Port Facility Security Officer (PFSO) Training Course

ISPS Internal Auditor for Shipping Companies

ISPS Internal Auditor for Port Facilities

ISPS Implementation Workshop

ISPS Refresher Course



Maritime Security

ISPS Basics

Content

The module deals with the requirements of the International Ship and Port Facility Security (ISPS) for shipping companies, shipping personnel and maritime authorities. The participants will learn the required steps for establishing a Ship Security Plan (SSP), the methods generally used for its implementation and maintenance on board and the procedures for certification. General principles of security are explained with practical examples.

Course objective

Gaining basic knowledge of the relevant ISPS Code requirements and understanding on board security management.

Emphasis

- Information about the background and mandatory requirements of SOLAS and the ISPS Code
- Introduction to the elements of the ISPS Code
- Basic knowledge regarding the performance of security assessments
- Information about internal/external verifications and the certification procedure
- Necessity of security awareness and vigilance

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Internal auditors, nautical officers, engineers, ratings, assistants (inspection, quality/ISM)
Requirements:	Basic maritime knowledge
Duration:	1 day
Category:	Basic
Further recommendations:	Harmonisation of Safety (ISM) and Security (ISPS) Management Systems, Company/Ship Security Officer (CSO/SSO) Training Course



Maritime Security

Company/Ship Security Officer (CSO/SSO) Training Course

Content

The course provides participants with the knowledge, understanding and proficiencies as required by the ISPS Code to undertake the tasks, duties and responsibilities as Company Security Officer (CSO) and/or Ship Security Officer (SSO). Practical case studies, exercises and videos are used to illustrate possible measures to comply with the maritime security requirements as laid down in the ISPS Code. Achievement of competencies is assessed by means of a final test.

Course objective

Internationally recognised qualification as Company Security Officer (CSO) and Ship Security Officer (SSO).

Emphasis

- Development and maintenance of Ship Security Plans (SSP) and supervision
- Assessment of security risks, threats and vulnerability
- Monitoring the security measures on board ships
- Operation, testing and calibration of security equipment and systems
- Enhancing security awareness and vigilance

Certificate:	GL Academy Certificate, approved by all major Flag States This course meets the requirements of the ISPS Code, the requirements specified in the IMO Model course 3.19 for Company Security Officer and 3.20 for Ship Security Officer and the requirements of the STCW Convention (Regulation VI/5)
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: CSO, SSO
Requirements:	Basic maritime knowledge
Duration:	2 days
Category:	Advanced plus
Further recommendations:	ISPS Implementation Workshop, ISPS Internal Auditor for Shipping Companies, Workshop ISPS Exercise



Maritime Security

Port Facility Security Officer (PFSO) Training Course

Content

This module provides the participants with comprehensive knowledge to enable them to take on the duties and responsibilities as defined in the International Ship and Port Facility Security (ISPS) Code. Practical case studies are used to illustrate possible measures to comply with the maritime security requirements.

Course objective

Internationally recognised qualification as Port Facility Security Officer (PFSO).

Emphasis

- Assessment of security risks, threats and vulnerability
- Developing, maintaining and supervising the implementation of a Port Facility Security Plan (PFSP)
- Conducting periodic inspections of the port for which the participant is designated to act as the Port Facility Security Officer to ensure appropriate security measures are implemented and maintained
- Ensuring that security equipment and systems, if any, are properly operated, tested and calibrated
- Encouraging security awareness and vigilance

Certificate:	GL Academy Certificate, approved by all major Flag States This course meets the requirements of the ISPS Code and the requirements specified in the IMO Model course 3.21 for Port Facility Security Officer
Methods:	Presentation, case studies, group work
Target groups:	PFSO
Requirements:	Basic knowledge of port operation
Duration:	3 days
Category:	Advanced plus
Further recommendations:	ISPS Internal Auditor for Port Facilities



Maritime Security

ISPS Internal Auditor for Shipping Companies

Content

A workshop about the preparation, implementation as well as the peculiarities of internal security audits on ships. The methods and critical elements of the internal security audit performance are explained in detail. The objective is to train the participants to have the knowledge to conduct internal audits and reviews of shipboard security activities. The education process is supported by practical case studies.

Course objective

Qualification as internal auditor (ISPS).

Emphasis

- Requirements of the ISPS Code for internal auditors
- Planning, conducting and documenting of security audits
- Identification of and dealing with non-compliances and failures
- Review of Ship Security Assessments (SSA) and Ship Security Plans (SSP)

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: CSO, internal auditors, SSO
Requirements:	Basic knowledge of quality management systems in shipping as well as the ISPS Code
Duration:	1 day
Category:	Advanced plus
Further recommendations:	Harmonisation of Safety (ISM) and Security (ISPS) Management Systems



Maritime Security

ISPS Internal Auditor for Port Facilities

Content

This module covers the implementation of internal audits in port facilities. Participants learn the requirements for internal auditors. The auditing process is explained using practical case studies.

Course objective

Qualification as internal auditor (ISPS) for port facilities.

Emphasis

- ISPS Code
- Planning, conducting and documenting of security audits
- Identification of and dealing with non-compliances and failures
- Revision of Port Facility Security Assessments (PFSA)
- Revision of Port Facility Security Plans (PFSP)

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies and Port Facilities: PFSO, internal auditors
Requirements:	Basic knowledge of the ISPS Code
Duration:	2 days
Category:	Advanced plus
Further recommendations:	Port Facility Security Officer (PFSO) Training Course



Maritime Security

ISPS Implementation Workshop

Content

The participants are given detailed knowledge and proficiency to enable them to implement the relevant structures and procedures as required by the International Ship and Port Facility Security (ISPS) Code.

Course objective

Proficiency to implement the ISPS Code.

Emphasis

- How to conduct Ship Security Assessments (SSA)
- How to develop Ship Security Plans (SSP)

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Superintendents, CSO, SSO
Requirements:	Qualification as CSO or SSO
Duration:	1 day
Category:	Advanced
Further recommendations:	ISPS Internal Auditor for Shipping Companies



Maritime Security

ISPS Refresher Course

Content

The module provides updated information and knowledge of the latest security-related amendments to the SOLAS and STCW Convention, and of interpretations and clarifications of ISPS Code requirements issued in various guidelines and recommendations. Developments and tendencies based on GL statistics of ISPS audit and port state control results are discussed. Methods for the implementation of effective security measures are exemplified by means of sample procedures or tools.

Course objective

Gaining updated knowledge of SOLAS/STCW/ISPS security requirements and developments.

Emphasis

- Qualification, training and experience required to perform the function of a CSO/SSO
- Long Range Identification and Tracking (LRIT)
- Company and Registered Owner ID Number
- Security-related training and familiarisation
- Access control
- GL ISM/ISPS audit procedure

Certificate:	GL Academy Certificate
Methods:	Presentation
Target groups:	Shipping Companies: Superintendents, CSO, nautical officers, engineers, ratings, SSO
Requirements:	Basic knowledge of maritime security
Duration:	0.5 days
Category:	Advanced
Further recommendations:	Company/Ship Security Officer (CSO/SSO) Training Course



Maritime Seminars

Managing Human Resources

STCW Basics

Introduction to Crewing

Maritime English Basics



Managing Human Resources

STCW Basics

Content

Within this module the background and general goals of the STCW Convention are presented in detail. The participants are familiarised with the structure and practical application of the convention. Its requirements for ships' crews, shipping companies as well as for shipping administrations are introduced. Practical case studies are used to deepen the understanding of the requirements.

Course objective

Participants will gain thorough basic knowledge of the STCW Convention and the STCW Code.

Emphasis

- Introduction to the chapters of the convention and the STCW Code
- Examples of interpretations and requirements by flag states
- Taking into account the International Safety Management (ISM) Code

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Superintendents, quality managers, designated persons, crewing managers, nautical officers, engineers, assistants (crewing)
Requirements:	Basic knowledge of shipping
Duration:	0,5 days
Category:	Basic
Further recommendations:	Introduction to Crewing



Managing Human Resources

Introduction to Crewing

Content

The module introduces the tasks and responsibilities of personnel management in shipping companies and crewing agents which result directly and indirectly from the relevant maritime regulations. The module also deals with the requirements for the qualification of maritime personnel.

Course objective

Participants will gain knowledge about how to implement the requirements of relevant regulations with regard to the manning of vessels and the qualification of crews.

Emphasis

- Core responsibilities and corresponding tasks
- Requirements regarding the documentation of the tasks
- Legal background, such as SOLAS, STCW 95, the ISM and ISPS Code as well as ISO 9001:2000

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Superintendents, quality managers, designated persons, crewing managers, nautical officers, engineers, assistants (crewing)
Requirements:	Basic knowledge of STCW 95 will be helpful
Duration:	1 day
Category:	Basic
Further recommendations:	STCW Basics



Managing Human Resources

Maritime English Basics

Content

The module provides an understanding and teaches the application of basic maritime English terms concerning the ship, her crew and her operation in transport as well as her port routine. The instruction is given through lectures and discussion.

Course objective

Knowledge of maritime English terminology.

Emphasis

- IMO-Standard Marine Communication Phrases (IMO-SMCP)
- Principal types of vessels
- Parts of the ship and the propulsion plant
- Navigational and safety-related equipment of the ship
- Cargo handling and transport equipment
- Composition of the crew
- Authorities and administrations
- Traffic organisation and Port Call

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Ratings, assistants (management, inspection, quality/ISM, crewing)
Requirements:	Post-intermediate level of general English, knowledge of the area of occupation
Duration:	1 day
Category:	Basic
Further recommendations:	Shipping Basics



Maritime Seminars

Ship Operation

- Basics of Ship Stability**
- Ship Operating Costs Basics**
- Update on Ship Stability**
- Passage Planning**
- Insurance for Ship Operation**
- Navigating in Adverse Weather Conditions**
- Lay-Up of Ships**



Ship Operation

Basics of Ship Stability

Content

The course is an introduction into the physical basics of ship stability. The focus is on understanding the problems of stability. An illustrating description is used to explain the physical background, tools and methods of evaluation.

Course objective

The participants shall gain basic knowledge about stability in order to understand the necessity of particular procedures and decisions in ship operations. In particular the course shall prepare the participants for the contents of the course "Multi-Purpose Ships – Technical and Operational Aspects". Participants without a nautical background will gain a better understanding of operational decisions made on board. The result will be a better understanding between employees ashore and on board.

Emphasis

- Basic aspects of naval architecture
- Basic aspects of physics (forces, lever arms, moments)
- Mass, displacement and buoyancy
- Inclining and uprighting moments
- Stable and unstable equilibrium
- Stability regulations
- Evaluation on board (loading calculation software, measurement)

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Nautical officers, engineers, ratings, assistants (inspection)
Requirements:	Basic knowledge of ship operations
Duration:	0,5 days
Category:	Basic
Further recommendations:	Multi Purpose Ships – Technical and Operational Aspects, Update Ship Stability



Ship Operation

Ship Operating Costs Basics

Content

The costs of the ship company are explained by the principle announces. Beyond that are the “set screws” (exercise of influence) defined by the several cost category. With case studies gets the chart rounded off by practical experience.

Course objective

Participants will gain basic knowledge of the cost types of the ship company.

Emphasis

- Ship company costs
- Dependent on voyage (running) costs
- Independent voyage (fixed) costs
- Prime cost types
- Apportionment of cost types
- Cost types for shipment completion at the port

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, commercial managers, nautical officers, assistants (management)
Requirements:	None
Duration:	1 day
Category:	Basics
Further recommendations:	Basics in Ship Finance, Shipping Basics for Banks



Ship Operation

Update on Ship Stability

Content

The module reviews briefly intact stability before focusing on advanced topics of ship stability. First the basic physics of stability phenomena is reviewed to the extent necessary to understand tools and regulations. Simplifications in the models and associated risks are discussed.

Course objective

Participants will gain knowledge about advanced topics in ship stability.

Emphasis

- Brief review of intact stability
- Intact stability regulations
- Simple models (free surface, shifting cargo, crane loads, docking)
- Dynamic stability (synchronous roll, parametric roll, tools)
- Damage stability (physics, regulations)

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, nautical officers
Requirements:	Basic knowledge of ship stability. Note: The practical exercises require a pocket calculator or a laptop with MS Excel.
Duration:	0.5 days
Category:	Advanced
Further recommendations:	Multi Purpose Ships – Technical and Operational Aspects



Ship Operation

Passage Planning

Content

The course will give an overview regarding the guidelines and recommendations concerning passage planning whilst operating in restricted waters. In addition the requirements for reliable passage planning and supervision are described.

Course objective

Knowledge regarding the requirements for a comprehensive voyage planning in accordance with the IMO guidelines and recommendations from other parties.

Emphasis

- Basic principles for passage planning
- Premises for comprehensive passage planning
- Supervision of the intended route
- Analysis of possible areas of concern (casualty analysis)
- Working with GL tools

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, fleet managers, quality managers, designated persons, nautical officers
Requirements:	Basic nautical knowledge
Duration:	1 day
Category:	Advanced
Further recommendations:	Navigating in Adverse Weather Conditions



Ship Operation

Insurance for Ship Operation

Content

A profound overview of all types of insurances with regard to ship operation and the responsibilities of all involved, including external service providers, is presented. The duties, responsibilities and liabilities as well as the practical cooperation in case of an incident are discussed. This module will be performed in cooperation with Zeller Associates GmbH, an expert for sea transport, marine insurance and marine claims handling.

Course objective

Gaining detailed knowledge of the basic structures and procedures regarding ship-related insurance.

Emphasis

- Insurance such as marine hull, loss of hire, protection and indemnity, defence and war
- Recognition and evaluation of active and passive risks in ship operation and ship management
- Risk management through diversified insurance solutions
- Transparent and quality-conscious insurance of risks
- Effective processing of claims and insurance issues

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, commercial managers, nautical officers, engineers, assistants (inspection)
Requirements:	Working experience and/or theoretical basic knowledge about ship or land transport
Duration:	2 days
Category:	Advanced
Further recommendations:	Shipping Basics



Ship Operation

Navigating in Adverse Weather Conditions

Content

The module explains the changing weather conditions, the weak and strong points of modern ships in severe weather conditions, the most important weather phenomena and how to handle the vessel to prevent damages and losses in adverse weather conditions.

Course objective

Improving knowledge to handle the vessel according to the rules of good seamanship and to enable shore-side personnel to investigate and evaluate accidents caused by heavy weather.

Emphasis

- Changes in the weather pattern during the last decades
- Influence of the forms of modern ships on the ability of the master to prevent damages and losses in adverse weather conditions
- Explaining the most important weather phenomena
- Responsibility of the master, the officer of the watch, the shipowner and/or manager and of the charter

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Superintendents, fleet managers, designated persons, nautical officers
Requirements:	Certificate of competency (nautical)
Duration:	0.5 days
Category:	Advanced
Further recommendations:	Passage Planning



Ship Operation

Lay-Up of Ships

Content

The module provides a structured overview of administrative and technical matters related to the lay-up of ships.

The following questions will be dealt with:

- What are the main criteria that have to be taken into consideration?
- With which authorities is communication necessary when preparing the lay up?
- What implications does the lay-up have on classificatory and statutory surveys and certificates?

Financial aspects, such as insurance, and technical solutions, like preservation of main engine, will also be discussed.

Course objective

Participants will gain the knowledge necessary to organize the structured preparation and handling of the lay up of a vessel.

Emphasis

- Questions of financing and insurance
- Classification and statutory matters
- ISM and ISPS
- Cutback of crew and berthing
- Technical questions regarding preservation

Certificate:	GL Academy Certificate
Methods:	Presentation
Target groups:	Shipping Companies: Vice presidents, technical directors (CTO), managing directors (CEO), superintendents, fleet managers, chief operating managers (COO), commercial managers, chief financial managers (CFO)
Requirements:	Basic level knowledge of ship and shipping company procedures
Duration:	0,5 days
Category:	Advanced
Further recommendations:	Surveys and Certificates



Management Systems

Quality Management System ISO 9001:2008

Environmental Management System ISO 14001:2004

Management System ISO 28000:2007

Health and Safety Management OHSAS 18001:2007



Management Systems Seminars

Quality Management System ISO 9001:2008

Basics of ISO 9001:2008 for Shipping Companies

Basics of ISO 9001:2008 for Industry and Service Providers

Lead Auditor ISO 9001:2008

Internal Auditor ISO 9001:2008 for Industry and Service Providers

Quality Management Coordinator

Quality Objectives and Continuous Improvement

Customer Satisfaction



Quality Management System ISO 9001:2008

Basics of ISO 9001:2008 for Shipping Companies

Content

This module contains a detailed discussion of the requirements of the ISO 9001:2008 standard with special emphasis on the International Safety Management (ISM) Code. In addition, participants receive practical advice for the implementation of integrated management systems. Possible ways of structuring and building up such a system are illustrated clearly with the use of forms and checklists.

Course objective

Participants will gain basic knowledge of the ISO 9001:2008 standard and its implementation in the shipping industry.

Emphasis

- Elements of the ISO 9001:2008 standard
- Parallels with and differences to the ISM Code
- Integrated management system: ISO 9001:2008, ISO 14001:2004, ISM Code

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Quality managers, internal auditors, assistants (quality/ISM)
Requirements:	Knowledge of the ISM Code and of a safety management system
Duration:	1 day
Category:	Basic
Further recommendations:	Internal Auditor ISM/ISO 9001:2008 for Shipping Companies, Lead Auditor 9001:2008



Quality Management System ISO 9001:2008

Basics of ISO 9001:2008 for Industry and Service Providers

Content

This module familiarises the participants with the requirements of the ISO 9001:2008 standard. The commitment of the management, the requirements for the documentation as well as the required procedures within the quality management system following the standard are discussed in detail. Possible ways of structuring and building up such a system are shown by using forms and checklists.

Course objective

Participants will gain basic knowledge of the ISO 9001:2008 standard and its implementation in the industry and in the service sector.

Emphasis

- Principles of modern quality management
- Requirements of the ISO 9001:2008 standard
- Step-by-step establishment of a quality management system
- The certification process

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Yards, Material and Components, Industrial Companies: Quality managers
Requirements:	Participants should already have work experience in their respective jobs
Duration:	2 days
Category:	Basic
Further recommendations:	Internal Auditor ISO 9001:2008 for Industry and Service Providers, Lead Auditor 9001:2008



Quality Management System ISO 9001:2008

Lead Auditor ISO 9001:2008

Content

The five-day module provides the knowledge and skills necessary to plan, conduct and evaluate external and internal audits according to ISO 9001:2008. A selection of highly interactive teaching and learning methods are employed to facilitate a realistic approach to the auditing of quality management systems, and to give participants ample opportunity to learn by doing. The module is certified by the International Register of Certificated Auditors (IRCA) under Cert. No. A17371.

Course objective

This module meets the training requirements of the ISO 19011:2002 standard for auditors of management systems seeking certification under the IRCA auditor certification schemes.

Emphasis

- Introduction to the standardisation of quality management systems
- Understanding and auditing ISO 9001:2008 requirements
- Quality audits – roles and phases
- Planning, preparation and performing the audit
- Completing the audit report
- Corrective action and close-out
- ISO 9001:2008 registrar accreditation

Certificate:	GL Academy Certificate This course fulfils the training requirements of the ISO 19011:2002 standard for auditors of management systems seeking certification under the IRCA auditor certification schemes.
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Quality manager, internal auditors, designated persons; Yards, Material and Components, Industrial Companies: Quality managers
Requirements:	Basic knowledge of the ISO 9001:2008 standard is necessary and can be acquired for example by attending the course “Basics of ISO 9001:2008”.
Duration:	5 days, from 8:30 a.m. to 6:00 p.m. In addition, participants can be given further exercises to be worked on in the evening.
Category:	Advanced plus



Quality Management System ISO 9001:2008

Accommodation:

For the duration of the module we can offer accommodation at the hotel, where the module will take place, at a special rate. The booking can only be made via the GL Academy together with a valid registration (last day of registration: four weeks prior the start of the module) for the course.

Further recommendations:

Quality Objectives and Continuous Improvement, Customer Satisfaction, Quality Management Coordinator



Quality Management System ISO 9001:2008

Internal Auditor ISO 9001:2008 for Industry and Service Providers

Content

Participants learn how to use internal audits as an effective tool for the continual improvement of the quality management system. A detailed process analysis enables them to identify risks, need for improvement and ways of increasing efficiency. The module considers the recommendations contained in the ISO 19011 standard. Practical case studies are used to illustrate the auditing process.

Course objective

Qualification as internal auditor.

Emphasis

- Requirements of the ISO 9001:2008 and ISO 19011 standards for internal audits
- Planning, preparing, conducting and documenting audits
- Process analysis
- Identifying and dealing with non-conformities
- Interview techniques and social competence

Certificate:	GL Academy Certificate This course fulfils the requirements the ISO 19011 standard.
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Quality managers, internal auditors; Yards, Material and Components, Industrial Companies: Quality managers
Requirements:	Basic knowledge of the ISO 9001:2008 standard
Duration:	2 days
Category:	Advanced plus
Further recommendations:	Quality Management Coordinator, Quality Objectives and Continuous Improvement, Customer Satisfaction, Lead Auditor ISO 9001:2008



Quality Management System ISO 9001:2008

Quality Management Coordinator

Content

This module trains personnel to become quality management coordinators who are based, for example, in branch offices or within departments and who support the quality management representative. The participants learn the tasks of a coordinator and are introduced to the tools for their implementation in practice-related discussions and group work.

Course objective

Proficiency to actively support the quality management representative within your field of work.

Emphasis

- Basics of quality management
- Overview of the requirements of the ISO 9001:2008 standard
- Tasks in order to keep the quality management system running and in operation
- Means of decentralised support
- Cooperation between the quality representative and the coordinators
- Means of enhancing the participation of other personnel

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Quality managers, internal auditors; Yards, Material and Components, Industrial Companies: Quality managers
Requirements:	Basic knowledge of quality management
Duration:	1 day
Category:	Advanced
Further recommendations:	Quality Objectives and Continuous Improvement, Customer Satisfaction, Internal Auditor ISO 9001:2008 for Industry and Service Providers, Internal Auditor ISM/ISO 9001:2008 for Shipping Companies, Lead Auditor ISO 9001:2008



Quality Management System ISO 9001:2008

Quality Objectives and Continual Improvement

Content

The participants will understand how they can dynamically develop the quality management system by establishing and pursuing objectives. A key performance indicator model will enable them to continually sustain the implementation of these objectives and recognise the need for improvement in time. Practical case studies and group work are used to deepen the insights.

Course objective

Proficiency to develop a dynamic management system whose sustainable success is ensured through continual improvement and adjustment.

Emphasis

- Requirements of the ISO 9001:2008 standard with respect to quality objectives, measurements, statistical analysis and evaluation of the system
- Determining the necessary future orientation of the company
- Defining and detailing quality objectives
- Planning measures to meet the objectives
- Quality controlling and key performance indicator systems
- Management review

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Quality managers, internal auditors; Yards, Material and Components, Industrial Companies: Quality managers
Requirements:	Basic knowledge of quality management systems according to ISO 9001:2008
Duration:	1 day
Category:	Advanced
Further recommendations:	Quality Objectives and Continuous Improvement, Customer Satisfaction, Internal Auditor ISO 9001:2008 for Industry and Service Providers, Internal Auditor ISM/ISO 9001:2008 for Shipping Companies, Lead Auditor ISO 9001:2008



Quality Management System ISO 9001:2008

Customer Satisfaction

Content

This module covers the planning, conducting and evaluation of arrangements designed to measure customer satisfaction. Insight into the various analysis options will enable the participants to recognise the appropriate measures for their company. Practical case studies and group work are used to illustrate the way these are applied. Special emphasis is placed on the significance of customer satisfaction for the success of a company as well as on current insights of market research.

Course objective

Proficiency for faster and more targeted response to customer requirements.

Emphasis

- Requirements of the ISO 9001:2008 with respect to customer satisfaction
- Methods for the measurement of customer satisfaction
- Preparing a questionnaire
- Analysis and derivation of improvements
- Consequences of a customer survey

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Superintendents, quality managers, designated persons, marketing and sales managers; Yards, Material and Components, Industrial Companies: Quality managers
Requirements:	Basic knowledge of quality management according to the ISO 9001:2008 standard
Duration:	1 day
Category:	Advanced
Further recommendations:	Quality Objectives and Continuous Improvement, Customer Satisfaction, Internal Auditor ISO 9001:2008 for Industry and Service Providers, Internal Auditor ISM/ISO 9001:2008 for Shipping Companies, Lead Auditor ISO 9001:2008



Management Systems Seminars

Environmental Management System ISO 14001:2004

Basics of ISO 14001:2004 for Industry and Service Providers

Internal Environmental Auditor ISO 14001:2004 for Industry and Service Providers

Lead Auditor Environmental Management Systems ISO 14001:2004



Environmental Management System ISO 14001:2004

Basics of ISO 14001:2004 for Industry and Service Providers

Content

This module provides information on establishing an environmental management system. The material is illustrated by way of possible solutions using forms and checklists.

Course objective

Participants will gain thorough basic knowledge of the ISO 14001:2004 standard and its implementation in the industry and service sector.

Emphasis

- Introduction to the elements of the ISO 14001:2004 standard
- Steps in building up an environmental management system
- The certification process

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Yards, Material and Components, Industrial Companies: Quality managers
Requirements:	Participants should already have work experience in their respective jobs
Duration:	1 day
Category:	Basic
Further recommendations:	Internal Environmental Auditor ISO 14001:2004 for Industry and Service Providers, Lead Auditor Environmental Systems ISO 14001:2004



Environmental Management System ISO 14001:2004

Internal Environmental Auditor ISO 14001:2004 for Industry and Service Providers

Content

The module imparts knowledge about planning, conducting and evaluating internal audits in environmental management systems according to ISO 14001:2004. Practical case studies are used to explain the auditing process.

Course objective

Qualification as internal auditor for environmental management systems.

Emphasis

- Requirements of ISO 14001:2004 and 19011:2002 standards for internal auditors
- Identifying and dealing with non-compliances
- Interview techniques

Certificate:	GL Academy Certificate This course fulfils the requirements of the ISO 19011 standard.
Methods:	Presentation, case studies
Target groups:	Yards, Material and Components, Industrial Companies: Quality managers
Requirements:	Basic knowledge of the ISO 14001:2004 standard
Duration:	2 days
Category:	Advanced plus
Further recommendations:	Lead Auditor Environmental Systems ISO 14001:2004



Environmental Management System ISO 14001:2004

Lead Auditor Environmental Management Systems ISO 14001:2004

Content

This five-day module meets the training portion of the requirements for certification of individual QMS lead auditors as stipulated in the ISO 19011:2002 standard. A number of interactive teaching and learning methods are employed to ensure practice-related access to the auditing of environmental management systems.

Course objective

Participants will complete the theoretical part of the qualification as auditor for environmental management systems.

Emphasis

- Introduction to the standardisation of environmental management systems
- EMS documentation structure
- Environmental audits: roles and phases
- Completing the audit report
- Corrective action and close-out
- ISO 14001:2004 registrar accreditation

Certificate:	GL Academy Certificate This course fulfils the training requirements of the ISO 19011:2002 standard for auditors of management systems seeking certification under the IRCA auditor certification schemes.
Methods:	Presentation, case studies, group work
Target groups:	Shipping Companies: Quality manager, internal auditors, designated persons; Yards, Material and Components, Industrial Companies: Quality managers
Requirements:	Basic knowledge of the ISO 14001:2004 standard, which can be acquired by attending the module "Basics of ISO 14001:2004 for Industry and Service Providers"
Duration:	5 days, always from 8.30 a.m. to 6 p.m. (Please note that the duration of each day can be extended because additional exercises are given to be completed in the evenings.)
Category:	Advanced plus
Accommodation:	For the duration of the module we can offer accommodation at the hotel, where the module will take place, at a special rate. The booking can only be made via the GL Academy together with a valid registration (last day of registration: four weeks prior the start of the module) for the course.
Further recommendations:	Basics of ISO 14001:2004 for Industry and Service Providers



Management Systems Seminars

Management System ISO 28000:2007

Introduction to ISO 28000:2007 Supply Chain Security Management

ISO 28000:2007: Managing Security Risk in the Supply Chain

Lead Auditor ISO 28000:2007



Management System ISO 28000:2007

Introduction to ISO 28000:2007 Supply Chain Security Management

Content

This module provides an overview of supply chain security management in the context of the ISO 28000:2007 standard. The course explains the purpose and objectives of supply chain security as well as general ISO 28000:2007 requirements. Special emphasis is laid on the interrelationship of ISO 28000:2007 with other supply chain initiatives and regulations, such as AEO and ADR Annex A Ch. 1.10., outlining the value of ISO 28000:2007 as a central management tool. Participants are also introduced to the ISO 28000:2007 risk assessment process – a core element of the management system, as well as to certification and verification procedures for those seeking third party verification or certification to the ISO 28000:2007 standard.

Course objective

This course will provide introductory knowledge about the requirements of the ISO 28000:2007 standard “Supply Chain Security Management Systems”.

Emphasis

- Introduction to security risks in the supply chain
- Purpose and objectives of supply chain security
- Structure, content and requirements of the ISO 28000:2007 standard
- Interrelationship of ISO 28000:2007 with supply chain security initiatives and regulations
- The ISO 28000:2007 risk assessment process
- Guidance for companies seeking certification or verification by a third party

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Personnel with responsibility for the development, implementation and maintenance of supply chain security management systems within their companies, including vendors, manufacturing facilities, logistics providers, distribution centres, distributors, wholesalers and others involved in the supply chain, their agents and consultants
Requirements:	Working knowledge and experience of supply chain management is desirable
Duration:	1 day
Category:	Basic
Further recommendations:	ISO 28000:2007: Managing Security Risks in the Supply Chain, Lead Auditor ISO 28000:2007, ISPS Basics



Management System ISO 28000:2007

ISO 28000:2007 Managing Security Risk in the Supply Chain

Content

This course is presented in two parts. Part 1 (days one and two) will cover essential principles of security and risk management in the supply chain. Participants who can demonstrate security competence need not attend Part 1 (see requirements), although it is recommended to do so.

Successful completion of Part 1 also provides participants who later wish to become ISO 28000:2007 lead auditors with the security knowledge required by ISO 28003:2007. Part 2 (days three and four) provides the knowledge and understanding to develop and manage a supply chain security system in accordance with ISO 28000:2007. Interactive training methods and a practical approach to security management systems facilitate the learning process.

Course objective

This course will assist participants in the development, implementation, maintenance and improvement of their ISO 28000:2007 supply chain security management systems in order to allow them to:

- Conform to their stated security management policy
- Demonstrate conformance to others
- Seek certification/registration by an accredited third- party certification body
- Be able to determine and declare conformance with the ISO 28000:2007 standard.

Emphasis

- Introduction to security
- Security risk and risk assessment methodology
- Supply chain security measures, technology and programmes
- Supply chain vulnerabilities and threats
- Information security
- Understanding the ISO 28000:2007 standard requirements
- Integration of other ISO standards, security legislation and initiatives, especially AEO
- Guidance on supply chain security management based on ISO 28001:2007 and 28004:2007
- Guidance on monitoring the supply chain security system including internal audits
- Guidance on supply chain security verification and certification procedures

Certificate:

GL Academy Certificate

Methods:

Presentation, case studies, group work

Target groups:

Personnel with responsibility for the development, implementation and maintenance of supply chain security management systems within their companies, including vendors, manufacturing facilities, logistics providers, distribution centres, distributors, wholesalers and others involved in the supply chain, their agents and consultants



Management System ISO 28000:2007

Requirements:	Working knowledge and experience of supply chain management is desirable but not essential. Participants who can demonstrate security competence do not need to attend Part 1*.
Duration:	Complete course: 4 days; parts 1 and 2 consisting of 2 days each.
Category:	Advanced plus
Accommodation:	For the duration of the module we can offer accommodation at the hotel, where the module will take place, at a special rate. The booking can only be made via GL Academy together with a valid registration (last day of registration: four weeks prior to the start of the module) for the course.
Further recommendations:	Lead Auditor ISO 28000:2007, ISPS Basics

*Security competence can be demonstrated by providing evidence of a minimum of two years relevant security experience and the successful completion of a written assessment.



Management System ISO 28000:2007

Lead Auditor ISO 28000:2007

Content

This four-day module provides the knowledge in accordance with ISO 28000:2007 standard for Security Management Systems in the Supply Chain. Interactive training methods and a practical approach to security management systems facilitate the learning process. The course is presented in two parts. Part 1 (days one and two) will cover essential principles of security and risk management in the supply chain as per ISO 28003:2007 requirement. Participants who can demonstrate security competence need not attend Part 1 (see requirements), although it is recommended to do so. Part 2 (days three and four) provides the standard-related knowledge and understanding to audit a supply chain security system in accordance with ISO 28000:2007.

Course objective

This course will provide participants holding auditor qualifications with the theoretical knowledge necessary for obtaining an ISO 28000:2007 lead auditor qualification.

Emphasis

- Introduction to security
- Security risk and risk assessment methodology
- Supply chain security measures, technology and programmes
- Supply chain vulnerabilities and threats
- Information security issues
- Understanding the ISO 28000:2007 standard requirements
- Integration of ISO 28000:2007 with other ISO standards, security legislation and initiatives, especially AEO
- Guidance on supply chain security management based on ISO 28001:2007 and ISO 28004:2007, especially risk assessment methods and security programmes
- Guidance on auditing the supply chain security system
- Guidance on supply chain security verification and certification procedures

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies, group work
Target groups:	Personnel with responsibility for auditing the supply chain security management systems as external auditors in second and third-party auditors, including vendors, manufacturing facilities, logistics providers, distribution centres, distributors, wholesalers and others involved in the supply chain, such as management consultants and external auditors.
Requirements:	Auditor qualification for ISO management systems, e.g. ISO 9001 or ISO 19001. Working knowledge and experience of supply chain management is desirable. Participants who can demonstrate security competence do not need to attend Part 1*.





Management System ISO 28000:2007

Duration:	4 days (parts 1 and 2 consisting of 2 days each) from 8:30 a.m. to 6:00 p.m. In addition, evening work may be assigned.
Category:	Advanced plus
Accommodation:	For the duration of the module we can offer accommodation at the hotel, where the module will take place, at a special rate. The booking can only be made via GL Academy together with a valid registration (last day of registration: four weeks prior to the start of the module) for the course.
Further recommendations:	ISPS Basics

*Security competence can be demonstrated by providing evidence of a minimum of two years relevant security experience and the successful completion of a written assessment.



Management Systems Seminars

Health and Safety Management OHSAS 18001:2007

Basics of the OHSAS 18001:2007 (Occupational Health and Safety Management) for Industry and Service Providers

Implementation and Internal Auditing of an Occupational Health and Safety Management System (OHSAS 18001:2007) for Industry and Service Providers



Management Systems Seminars

Health and Safety Management OHSAS 18001:2007

Basics of the OHSAS 18001:2007 (Occupational Health and Safety Management) for Industry and Service Providers

Implementation and Internal Auditing of an Occupational Health and Safety Management System (OHSAS 18001:2007) for Industry and Service Providers



Health and Safety Management OHSAS 18001:2007

Basics of the OHSAS 18001:2007 (Occupational Health and Safety Management) for Industry and Service Providers

Content

The participants will be familiarised with the requirements of the OHSAS 18001:2007 standard. They learn how a health and safety management is structured and maintained. Furthermore, interfaces to other management systems and possible synergetic effects are demonstrated. The application of OHSAS 18001:2007 is explained by means of examples taken from daily work practice.

Course objective

Basic knowledge to enable a person to set up a health and safety management system in industrial and service sector enterprises.

Emphasis

- Elements of OHSAS 18001:2007
- Improvement of the efficiency of occupational health and safety by integrating it in the work flow processes
- Organisation according to legal prescriptions
- Auditing and certification

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Quality managers, designated persons, assistants (quality/ISM); Yards, Material and Components, Industrial Companies: Quality manager
Requirements:	Basic knowledge in occupational health and safety as well as in management systems in general
Duration:	1 day
Category:	Basic
Further recommendations:	Implementation and Internal Auditing of an Occupational Health and Safety Management System (OHSAS 18001:2007) for Industry and Service Providers



Health and Safety Management OHSAS 18001:2007

Implementation and Internal Auditing of an Occupational Health and Safety Management System (OHSAS 18001:2007) for Industry and Service Providers

Content

The module provides detailed knowledge regarding the setting-up of an Occupational Health and Safety Management System as one part of an integrated management system. The effective maintenance of such a management system requires internal audits to be carried out. The methods employed for these internal audits will also be taught. The trainer and participants jointly develop solutions for the tasks incorporated. Numerous case studies give participants the opportunity to gain practical experience.

Course objective

Knowledge to support the implementation of a health and safety management system in industrial and service sector companies, as well as qualification as an internal auditor (OHSAS 18001:2007).

Emphasis

- Elements of OHSAS 18001:2007
- HHSAS systems, structure and implementation
- Improvement of the efficiency of occupational health and safety systems
- Planning and conducting internal audits
- Documentation

Certificate:	GL Academy Certificate
Methods:	Presentation, case studies
Target groups:	Shipping Companies: Quality managers, designated persons; Yards, Material and Components, Industrial Companies: Quality managers
Requirements:	Basic knowledge of occupational health and safety
Duration:	2 days
Category:	Advanced
Further recommendations:	Basics of OHSAS 18001:2007 (Occupational Health and Safety Management) for Industry and Service Providers



Contact Details

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Position:

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