

Modernising Marine Surveying

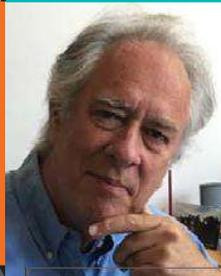
4 Modules / 28-29 April 2021 || Live Online Learning

2+1
Offer!



Delivered in **Live Online Learning** Format

**Course
Director**



Andrew Teasdale, Managing Director, Teasdale Marine

Andrew has spent over 40 years in shipping industry, having practical experiences as a seagoing engineer working in a shipyard, a classification ship surveyor as well as working internationally as an independent surveyor attending large & complex marine claims. Having advised Hull, Shipyard, Ship repair, Ports & Terminals, Marine Trades, Cargo & Liability Underwriters, as well as a large London market H&M facility, he offers a rare insight into the expectation such organisations have when a surveyor is appointed.

Key Learning Outcomes & Case Studies Include

- ▶ New techniques and technologies in Marine Surveys
- ▶ Remote surveys & e-certificates
- ▶ Global conventions, recent changes and compliance
- ▶ Practical issues in bunker, cargo and condition surveys
- ▶ Loss of Hire scenarios and risk management
- ▶ Claims, and the P&I perspective
- ▶ Case studies and use cases

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WHY LIVE ONLINE LEARNING

The current Covid-19 pandemic has put strains on various areas of business, especially when it comes to deriving commercial value from new initiatives. During this phase of self-isolation and working from home, we can help you meet your professional development needs and you can still take your professional development plans to the next level.

To support your learning goals we have converted our face-to-face trainings to LIVE Online Sessions. This way you can continue to attend live and interactive training sessions within the virtual classroom space where you can see and speak, with your Subject Matter Expert and other participants.

- Progress through the course with fellow participants as you would in a classroom
- 20% price advantage, plus travel budget savings
- Controlled environment with speaker managing the Q&A and discussions
- Module based approach to help manage your time
- Earn your Digital Certification and broadcast your achievements to your peer

Trainer/Participant Interaction

- Conduct Q&A with course directors in real time
- Interactive format including breakouts, group discussions, real-time collaborative exercises and sharing of results
- Engage in live tests & polling, get immediate results and evaluations
- Chat with your fellow participants with text messages or by voice
- Follow online presentations or whiteboards in real-time
- Virtually "raise hand" to put forward Q&As with trainers
- Seamlessly receive case studies, video, documents

Learning Platform

[GoToTraining](#)

Hardware/Software Requirements

- Desktop or mobile device manufactured no earlier than 2016
- WiFi Connection, Cable or Fibre Broadband with minimum 1 Mbps of bandwidth available
- A USB headset with microphone, or a microphone and speakers built into your device

Participant Onboarding

1. Book a demo here: <https://www.goto.com/training>
2. Alternatively, request a personal onboarding session with Informa (only for confirmed participants) by contacting: register@informa.com

ABOUT THE COURSE

Essential for marine surveyors, ship officers, underwriters, claims handlers, this masterclass will highlight numerous scenarios, incidents and claims associated with different types of cargoes & vessels, the advanced-level survey techniques and how best to handle them.

Attendees will examine best practices for attending claims as a surveyor, such as P&I Casualty, Cargo, H&M damage, Loss of Hire, condition, bunker issues. Key discussions within the seminar will include advances of survey methodology and remote survey techniques.

COURSE DIRECTOR



Andrew Teasdale, Managing Director,
Teasdale Marine

Andrew has spent over 40 years in shipping industry, having practical experience both as a seagoing engineer working in a shipyard and classification ship surveyor as well as working internationally as an independent surveyor attending large & complex marine claims. Then working for a P&I Club as well as a large London market H&M facility, he offers a rare insight into the expectation such organisations have when a surveyor is appointed. His experience includes:

- Marine Risk Management & Surveying Consultant (RSA) – 2012-2017: Provided inrisk consulting service to Hull, Shipyard, Ship repair, Ports & Terminals, Marine Trades, Cargo & Liability Underwriters
- Loss Prevention Engineer (West of England P&I) – 2005-2012
- UK Officer Manager/Marine Consultant & Surveyor (Andrew Moore & Associates) – 1991-2005: Working mainly for P&I interests and including appointments as Expert witness at London Arbitration
- Ship & Engineering Surveyor (DNV GL)
- Shipyard Project Engineer, Barrow in Furness
- Seagoing engineer officer (1974-1983)
- ISM Lead Auditor and ISO 9002 Lead Auditor
- Lloyd's Register's Propeller Shaft Alignment
- Chartered Engineer (IMarEst) and Member of Institute of Consulting Marine Engineers & Ship Surveyors
- BRM & ERM courses and latterly MRM with P&O Ferries in Dover
- Committee Member of the IMarEst Human Element Special Interest Group

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4-Module Course Syllabus

MODULE 1

1. INTRODUCTION

- Course structure & general learning objectives, deliverables

2. BACKGROUND OF MARINE SURVEYING

- Evolution of marine survey
The development of SOLAS
 - The formation of Class societies and what they do
- H&M and P&I Insurers and cover offered
- Flag states and why they are different
- The ISM code
- Port state control
- Paris MOU
- Equasis
- Due Diligence of cargo owners and shipowners (prudent uninsured)
 - Load on / load off surveys
 - Charterers surveys
 - Warranty surveys
- Insurance (for when things really go wrong?)
H&M and P&I insurance and how it works
Relationship between
- Case studies: P&I clubs' surveying activities The Nordic Plan and London Market H&M Contracts.

3. THE VESSELS

- Brief refresher: world trade, containerisation
- Global shipping routes of finished products & commodities
- Types of ships and examples: Key specifications, design, classification process
 - Bulk Carriers and VLOCs,
 - Containerships and ULCV's,
 - Oil tankers, LNG, LPG,
 - product tankers,
 - RORO,
 - General Cargo, Ferries, Cruise liners.
- Container lashing plans and cargo stowage manual, liquefaction of cargo
- Case Studies: Novel ship designs
- Case Studies: Notable casualties associated with prototyping – From Titanic to Present day

By the end of the session delegates will understand the various designs of vessels, as well as the operational envelopes within which ships work, the shortcomings of which have been explained by examples starting with the Titanic, Britannic and Oceanic concept and what then when wrong. Certainly, then mentioning the MOL Comfort and other casualties to present day.

MODULE 2

4. ISM CODE

- The ISM code ashore
- The ISM code afloat
- The ship shore interface
- The role of the on-board safety committee
- Permits to work
- Audits of the ISM code
- Shipboard Maintenance
- BRM and MRM
- MRM and the human element

Case Study: ISM code deficiencies

By the end of the session delegates will have a basic understanding of how a ship company is generally divided into technical, operations, crewing, chartering, insurance, etc and how this applies to the ISM code and what may be found on a ship. They are prepared for the concepts raised in the remaining workshop sessions.

5. BUNKER SURVEYS

- IMO 2020 fuel standards and Low sulphur fuels
- Bunker fuel quality testing ISO 8217, Marpol
- Bunker quantity survey (BQS) in accordance with ISO 13739
- PSC inspections

- On board quantity survey (OBQ/ROB)
- Sludge disposal survey
- Bunker loss control
- Lubricating oils
- Mass flow meters
- Remaining on-board (ROB) survey

6. CARGO SURVEYING (PROPERTY INSURANCE)

- Pre-shipment surveys
- Loading/discharging survey
- Stowage & securing survey
- Cargo damages surveys
- Particular issues with liquid cargoes
- Particular issues with non-liquid cargoes
- Marine insurance, Average and Adjusting marine insurance claims
- Cargo holds & hatch covers surveying

Examples of commodities:

- Grain
- Liquid cargoes
- Steel products
- Project cargo
- Sea Fastenings and lashings
- Valuation
- General average

MODULE 3

7. THE SURVEYORS & THE CLAIMS

- Safety, PPE and Entering Enclosed Spaces
- Marine survey – Safety protocol during Covid-19
- Contract terms for Surveyors
- Communications with clients
- Professional Indemnity Insurance
- P&I compulsory surveying (Liability Insurance)

Classes of claim will be discussed with methodology for

- Fixed and floating objects
- Crane or unloader damage
- Cargo damage
- Engine room fire
- Loss of containers
- Collapse of stowage
- Container claims
- Collisions
- Groundings
- Bunker problems
- Speed and Performance
- Report writing
- Inherent vice

8. H&M

Damage to Machinery – Examples:

- Owners allegation of damage
- Weather damage
- Crankshaft hardness testing, machining and annealing
- Seaworthiness aspects
- Fair wear and tear
- Inherent vice
- Selection of repairer or drydocking
- Fair and reasonable repair costs
- Deferred repair
- Classification
- Superintendent expenses
- Total loss
- Report writing

H&M damage to hull - Typical examples

- Owners allegation of damage
- Seaworthiness aspects

Case Study: ROVs applications (shallow water wreck removal, underwater surface damages)

9. LOSS OF HIRE

- Interrelationship between Loss of hire and H&M insurance
 - Nordic Plan Vs London Terms
 - The role of the surveyor is to get things moving

- Survey key hold points
- Overtime
- Choice of shipyard

MODULE 4

10. INDIVIDUAL CONDITION SURVEYS, FLEET SURVEYS, CREW & OFFICE ASSESSMENTS

- Condition surveys for P&I Clubs
 - Testing during survey
 - JH (2013) /007A,B,C and D surveys plus crew and office assessments for H&M Insurers
 - Condition surveys for H&M Insurers
 - Condition surveys for Charterers interests
 - On - off hire surveys
 - Valuation surveys (leave it to the experts)
- What to look for and how to report it
Avoidance of tick box culture
Priorities
 - What to do if you can't visit every cargo hold or tank
 - What to do if the time period is too short.

A Typical format of condition survey used by one of the International Group of P&I Clubs along with their survey guidance notes will be included in the course materials

By the end of the session delegates will be in a position to understand some of the common problems associated with this class of survey and how to fulfil the expectations of those who appoint them.

11. REMOTE SURVEY & INSPECTIONS – PRACTICALITY, IMPLEMENTATION

- Trends and types of survey technologies
 - UAV
 - ROV
 - Crawler
 - Digital photography
 - Fixed sensors (types and survey applications)
- Data analytics
 - Data reviews post-inspection
 - Data gathering & accident reconstruction
- Performance requirements for effective remote surveys
 - Navigation & access
 - Defect detection
 - Data
- Drone surveys and regulatory compliance around the world
- Cybersecurity
- Regulatory & Operational Considerations
 - Class standards for drone surveys, approvals & regulations
- Case Studies:
 - Remote Cargo holds, hatch cover surveys
 - Ship engine emission

12. DIGITALISATION IN MARINE SURVEYS

- Smart survey booking
- E-certificates
- Fleet management solutions
- Applications on conditions surveys

13. OTHER MODERN SURVEY TECHNIQUES AND ALTERNATIVE SURVEYING

- LIDAR and applications
- Classification & electronic statutory certification

By the end of the session delegates will be in a position to understand some of the advances of survey methodology and techniques available to be utilised.

Case Studies:

Investigation, Data collection and on-site analysis post COVID

E-certificate

REGISTRATION FORM

To register please complete the form so that we can process your registration, and fax or email to

Email: davidl@newhorizonconsultancy.co.za | Tel: 071 422 0292/+27 81 316 6719 | Web:

www.newhorizonconsultancy.co.za

(PLEASE COMPLETE IN CAPITAL LETTERS)

Company Name: _____

Country: _____

Postal Address: _____

Postal Code: _____ Tel: _____

Cell: _____ Email: _____

Nature of Business: _____

Yes! Please register the following delegate(s) for this Conference (Please photocopy for more delegates)

Delegate Name: _____ Designation: _____ Email: _____

Method of Payments:

Direct deposit Electronic transfer

BANKING DETAILS

Account Name: New Horizon Consultancy (Pty) Ltd

Banking Details: First National Bank FNB

Account Number: 62886374728

Branch code: 251-655

Swift code: FIRNZAJJ

JJRef: Please State your invoice number

APPLICATION FOR REGISTRATION & ACCEPTANCE OF TERMS & CONDITIONS

I have read and understood the booking terms and conditions

Surname Mr. Mrs. MS.: _____

Name of Organisation: _____

Job title: _____

E-mail: _____

Date: _____

Tel: _____

Cell: _____

Signature: _____

(Where organisation sends delegates and is responsible for payment of

Delegate Fees:

R,9,999.00 Virtual

Group Discounts:

4 delegates & above 10%

PLEASE NOTE: That the course fees include CPD Certificate and course material.

An invoice will be sent upon receipt of registration form. Payment must be received prior to course commencement.

CANCELLATIONS & TRANSFERS

If you are unable to attend, a substitute delegate is welcomed at no extra charge. Please provide the name and the title of the substitute delegate at least 2 working days prior to the Conference.

Regrettably, no refund can be made for cancellation received 2 weeks before the date of the course. A complete set of documentation will however be sent to you.

The organiser reserves the right to make any amendments and/or changes to the programme, venue, speaker replacements and/or topics if warranted by circumstances beyond its control.