

IIMS NEWS BULLETIN JANUARY 2021



Dear Member

Welcome to this News Bulletin from the International Institute of Marine Surveying (IIMS). This bulletin is available in PDF and eReader format from the IIMS website. It aims to keep members and non-members up to date with information on a monthly basis. Members are encouraged to share and forward this newsletter to colleagues, who they think might like to join the Institute, or who may be interested in its content. For more information about the Institute visit:

www.iims.org.uk

CEO Chat

Dear Colleague

Welcome to 2021 and a happy New Year to you. Although some members enjoyed a successful trading year, 2020 is best forgotten and consigned to the history books in my opinion. Having said that, at the time of writing the number of cases of COVID-19 in the UK (and elsewhere) are surging again. So, the coming few months pre vaccines remain uncertain. I have no plans to travel internationally this year. Anyway, I hope we will have an altogether better year ahead.



This year marks the 30th anniversary since the inception of IIMS. Sadly, we will not be able to commemorate this landmark with face-to-face celebrations as was my original plan. But we are aiming to put together a two-day online celebration in June to mark the occasion. This will coincide with the Annual General Meeting, so keep an eye out for further details soon.

A new year brings new training opportunities. At the time of writing, Brexit negotiations are still on a knife edge and it is anyone's guess if a deal or no deal will be the outcome. But I am delighted that Ross Wombwell, (Head of Technical Services at British Marine and a marine surveyor), who is something of an expert in the area of the RCD and Brexit, has agreed to deliver a webinar on 20 January entitled *Recreational Craft Directive (RCD) and CE marking – what we know post Brexit so far – essential advice for surveyors*. More details about this seminar can be found in this bulletin or go to <https://bit.ly/3nKT3IR> to reserve your place.

Once again, James 'Randy' Renn, has done a great job in assembling a first class line up of seventeen speakers for the IIMS US Conference on 22/23 January. Sadly no longer a face-to-face event in Baltimore for now, the two day Conference will be delivered online. Make sure you do not miss this opportunity to be part of a great event and get some early CPD or CE points in your bank early in the year! More information can be found in the bulletin or for full details go to <https://bit.ly/2L9bNNO>.



CEO Chat (continued)

IIMS has worked closely with Karen Brain, (Matrix Insurance Services Ltd), over a number of years. Karen has written extensively for the Report Magazine. IIMS has now brought her articles together in two publications, both 28 pages in size. *50 Shades of Law & More* and *50 Shades of Insurance* are free to download at <https://bit.ly/3rebtXZ>.

Finally, the new year always brings with it a plethora of new shipping and boating regulations covering a multitude of areas and 2021 is no different. However finding them all in one place is more challenging, a pet hate of mine. So in this bulletin we have assembled all those that we are aware of for your benefit.

Stay safe and survey well.

Mike Schwarz
Chief Executive Officer

ONLINE SEMINAR

IIMS presents:

Recreational Craft Directive (RCD) and CE marking – what we know post Brexit so far – essential advice for surveyors being broadcast on 20 January 2021

There has been considerable confusion, conjecture and some concern in the run up to Brexit and the implications for the Recreational Craft Directive (RCD) and CE marking following the UK's formal departure from the European Union at midnight on 31st December 2020.

IIMS is delighted to host '**Recreational Craft Directive (RCD) and CE marking – what we know post Brexit so far – essential advice for surveyors**', to be presented by Ross Wombwell, Head of Technical Services at British Marine. The seminar takes place on 20 January 2021 from 10.30 and those who join live will receive the video after the event too. If you cannot join live, you can purchase the video for viewing at a later date.

Ross is perfectly placed to give an opinion and an update on this subject given he has had his head around this issue and its implications for many months, including giving evidence to a House of Lords Select Committee inquiry at the UK Parliament. He will also take questions, which can either be sent in beforehand, or asked on the day itself.

The seminar cost is £35. Those who join live automatically receive a copy of the video, but you may also simply purchase the video only for viewing at your leisure. You can book and pay for your place online at <https://bit.ly/3nKT3IR>. If you prefer not to use the online booking facility, please email Camella Robertson at membership@iims.org.uk or telephone +44 23 9238 5223.



JOIN US LIVE as we broadcast the IIMS US Conference on 22 & 23 January 2021

James 'Randy' Renn has engaged a series of top quality speakers for your benefit. You do not have to be an IIMS member to participate. The event (previously known as the Baltimore, Maryland annual meeting held at MITAGS) is open to marine surveyors from all organizations. We particularly look forward to welcoming SAMS and NAMS members online as well as other American and Canadian marine surveyors.

Here's what we have lined up for you:

DAY ONE: FRIDAY 22 JANUARY 2021

- 08:30 EST. Mike Schwarz, CEO, IIMS. State of the Institute and the Industry.
- 09:00 Steve Schnuttler: Working with the New Fiberglass Repair Estimator Tool.
- 09:30 James Renn FIIMS. Reflective Electromagnetic Energy.
- 10:00 Captain John McDevitt. Compliance and Catastrophe.
- 10:45 Kristopher Diel. What we should see from a distance before what we have come to see up close.
- 11:30 Dennis David. Methods of accommodation and machinery space decontamination.
- 13:00 Todd Lochner. New areas of responsibility in your procedures.
- 14:00 Gerald Zingale. Liquid Cargo Inspections.
- 14:45 Dan Phalen. What's new from a manufacturer that inspects each item sold by eye and each item assembled by hand.
- 15:45 Brad Pickel. The future of waterways capacity and projections of change.

DAY TWO: SATURDAY 23 JANUARY 2021

- 09:00 EST. Lloyd E. Griffin III. Tier 4 and imposing nearly untenable regulations on large yacht builders.
- 10:00 Richard H. Foster. The skill set of negotiating for your client.
- 11:00 George Zeitler. Managing a new build.
- 11:45 James Renn. Free valve engines – Another future in propulsion.
- 13:15 Robert Kochan. Procedures and protocols for proper forensic analysis from both hard evidence and situational evidence.
- 14:00 Christopher Criemes. Explanation of uses and machining of titanium for maritime applications.
- 15:30 Capt. William Weyant. Use of a particulate and organic contaminate diagnostic tool and oil samples as part of the surveyor's kit.

Download the detailed Conference speaker schedule PDF at <https://bit.ly/3norCOH>.

What's the cost? Attendance for both days' online costs just GBP £112 (equivalent to US \$150).

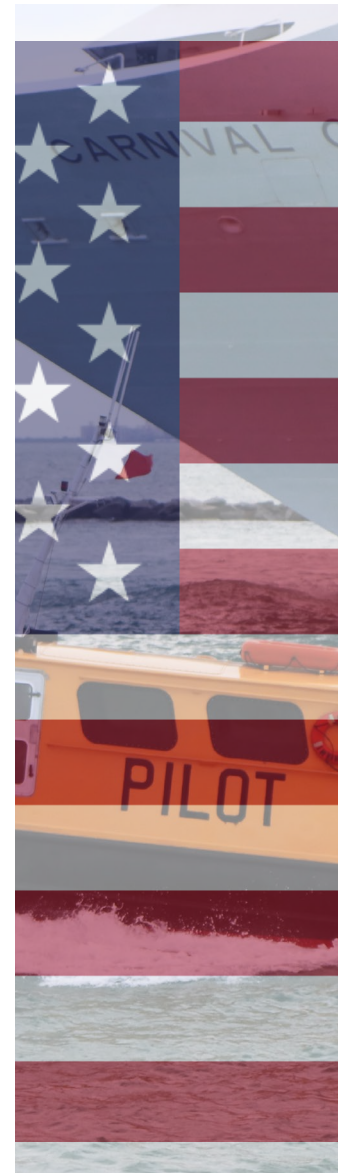
How to reserve your place at the IIMS US online Conference 2021

1) Registration can be made by email to iims.usa@aol.com or by calling James 'Randy' Renn on 1 410 490 0216. Payment in advance can be made by cheque payable to IIMS, or by credit card by calling 1 410 604 2327.

Cheques may be sent to: Marine Forensics, P.O. Box 1041, Stevensville MD 21666.

or 2) Reserve and pay for your place by using the online booking form at <https://bit.ly/2L9bNNO>.

Once your place is paid for we will release the joining instructions.



IIMS releases **two free compilations** from Matrix Insurance Services for free download

Over the years, Karen Brain, Managing Director of Matrix Insurance Services Ltd, has spoken at various IIMS events, conferences and small craft seminars, both in person and online. Her input has been invaluable, her depth of knowledge is significant and is always much appreciated by surveyors.

Karen has also written extensively for the Report Magazine in recent years on the subject of both insurance for marine surveyors and aspects of law and contracts.

For the first time, IIMS has produced two compilations, each presented as 28 page pdfs that brings the contents together in two easy to read documents. These are now freely available to download.

50 Shades of Law & More

The International Institute of Marine Surveying presents a compendium of the five chapters of the **50 Shades of Law** series and a further four related chapters in association with Matrix Insurance Services Ltd - nine articles in total written by Karen and her colleagues.

There are a number of topics covered, including:

- A surveyor's duty
- A fair representation
- What is evidence and when is it admissible
- Giving expert witness
- The root of most problems with contracts is caused by common formation problems

50 Shades of Insurance

This publication is made up of a collection of thirteen articles written by the Matrix Insurance Services Ltd team and originally published in **The Report Magazine** over a number of editions. IIMS now presents these articles together in one publication for the first time.

Some of the subjects covered include:

- Discover our needs and understand the demands of others
- The three S's - control your risk, control your desires
- Unleashing the advantages of mediation
- The claims process - justice in law
- Tales from Miss History: Things you should know

To download your free copy of either or both publications go to <https://bit.ly/3rebtzZ>.



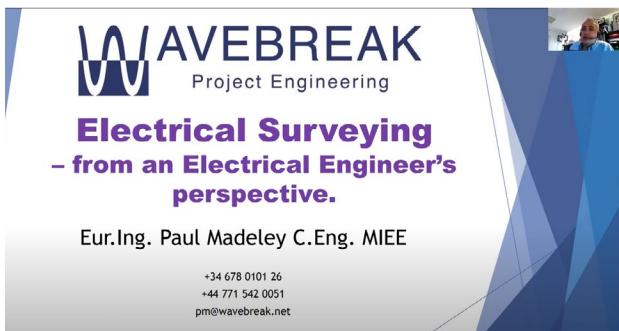
Have you checked out the IIMS YouTube channel recently?

IIMS has been steadily adding content to its YouTube channel and there are dozens and dozens of videos made by the Institute waiting for you to view. And what's more it costs nothing, other than an investment in your time. The IIMS YouTube channel can be accessed at <http://bit.ly/35495k7>.

Here are a few ideas of some of what you could watch to further your knowledge:



Moisture meters and dealing with osmosis
by Nigel Clegg - go to <https://bit.ly/2WujAbz>
Run time 54 minutes



Surveying boat electrics - What a surveyor should know by Paul Madeley -
go to <https://bit.ly/3r0NRg7>
Run time 61 minutes



The key components of a good safety management system and how it should be checked by Capt Yves Vandenberg - go to <https://bit.ly/3oS07gN>
Run time 45 minutes



The danger of mould in the marine environment
by Michael Pinto - go to <https://bit.ly/2Krbloe>
Run time 54 minutes



Report writing software for surveyors by surveyors
- go to <https://bit.ly/3gMSkOJ>
Run time 48 minutes

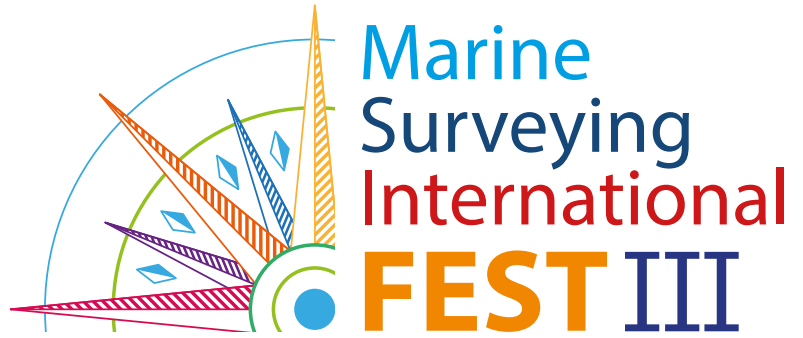


Microbial Corrosion of Iron and Steel by Jeffrey Casciani-Wood - go to <https://bit.ly/2WiKGIO>
Run time 50 minutes



75 years of yacht marine surveying by Ian Nicolson - go to <https://bit.ly/2WiuOQ4>
Run time 71 minutes

Marine Surveying International Fest III highly acclaimed by delegates



Fest III proved to be the best so far with over 120 delegates registering to participate in the two online 12 hour marathon extravaganzas.

This year's presentations included many that were put together especially for the event. The videos are not publicly available, but the content from both days is still available to purchase.

Commenting on Fest III, Mike Schwarz said, "The hard work to assemble a collection of great speakers was worth it and we were rewarded with an excellent turn out. My thanks to all who gave up their time to share their expert knowledge and to those who participated. Planning for Fest IV is underway."

Fest III for large yacht and small craft surveyors was broadcast on 30 November 2020.

Here are just some of the highlights you may have missed.

Owen Cox gave a very detailed overview of diesel heaters on boats and discussed how they work and some of the potential pitfalls associated with these installations. This topic is right on trend following the recent MAIB's report on the fatal carbon monoxide poisoning on a motorboat in York due to a poorly fitted diesel heater.

One of the highlights of the day was the live interview with IIMS' two oldest members, Jeffrey Casciani-Wood (retired) and Ian Nicolson (still surveying), who joined Mike Schwarz in discussion. With over 100 years' surveying experience between them, both shared words of wisdom with the audience. As one delegate was heard to remark, "This presentation alone is worth the gate money." It was indeed an hour not to be missed for an aspiring surveyor.

Mike Lewus (British Stainless Steel Association) was on hand to deliver something of a masterclass on the subject of corrosion, not his first outing for the Institute. His topic, entitled 'Stainless steels in marine applications with emphasis on susceptibility to corrosion' was of a technical nature and much appreciated by those who heard it.

Speaking from the east coast of the United States, Michael Pinto talked about the dangers of mould to the marine surveyor. Michael has made this something of a specialism and he is worth listening too. Mould is a growing problem in the marine environment and can be very harmful to those who encounter it.

It fell to IIMS President, Geoff Waddington, to bring the yacht and small craft Fest III to a conclusion. In a light-hearted presentation, but with a serious edge to it, he raided his photo archive and presented 100 photos, briefly discussing some of the horrors that each was showing. 'Things you see on survey and cannot make up' was indeed exactly the right title of Geoff's show.





All 12 yacht and small craft Fest III videos are available at a cost of just £100 from the IIMS website at <https://bit.ly/385FDKW>.

Just two days later, IIMS broadcasted Fest III for cargo and commercial ship surveyors on 2 December. The content was hugely varied, but many of those who kindly presented tackled topics that are very much of their time.

Adam Brancher opened up the event, speaking from Australia on the practical considerations of remote surveying. Using his experiences so far, he gave an honest overview, warts and all, as he talked about the pros and cons.

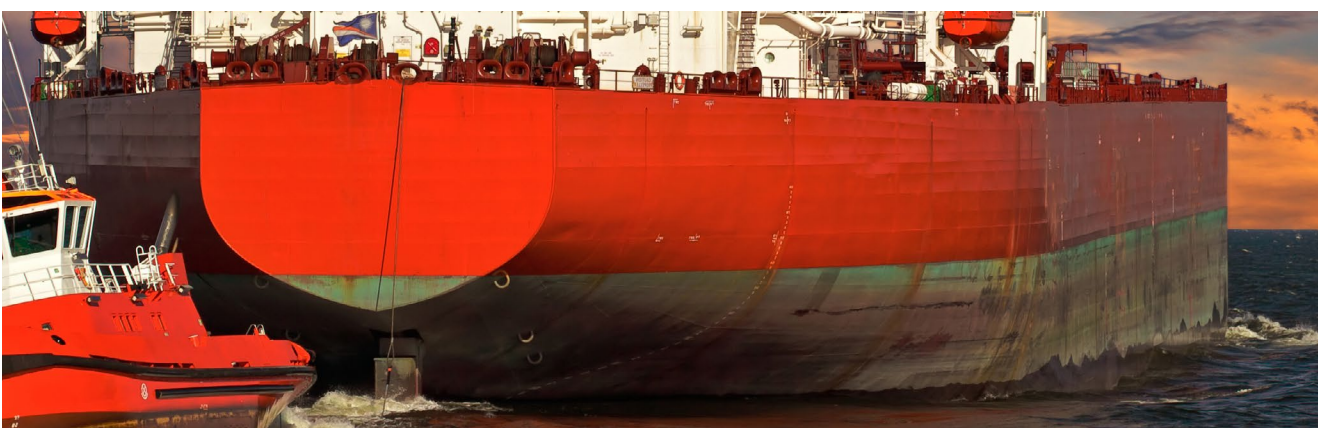
Capt Michael Lloyd promised a hard-hitting overview as he talked about the current situation with enclosed spaces and asked why people continue to die in them. And so it was. The number of fatalities remains stubbornly high and Michael reminded surveyors that it is they who are often in the firing line and urged caution before entering into such a space.

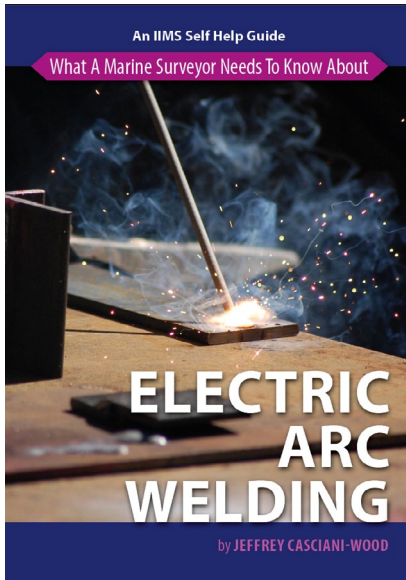
Bill Brassington was one of the original authors of the CTU Code. In his presentation, he spoke with deep knowledge about the subject and urged all involved in this area of operation to spread the word to ensure the Code is better understood and is effectively implemented to minimise the risk of costly incidents and accidents.

COO of Navigate Response, Dustin Eno, gave a well-researched and educated presentation on the Wakashio disaster and how the crisis communications could have been better handled. He brought his considerable knowledge of communications strategies in disasters into his presentation to highlight and explain where it went wrong.

The 'Relationship between the P&I Club and the Marine Surveyor' was the topic of by Petar Modev's presentation. He is Head of Ship Inspections at Thomas Miller P&I Club. He went to great lengths to remind surveyors of the vital role they have to play to support the Club and the value and importance of a tight two-way relationship.

All 13 cargo and commercial ship Fest III videos are available at a cost of just £100 from the IIMS website at <https://bit.ly/37hIPE2>.





NEW HANDY GUIDE: Electric Arc Welding by Jeffrey Casciani-Wood

The Institute is pleased to bring its twenty fifth handy guide to market, now available to purchase in either paperback or eBook pdf format.

Arc welding refers to a group of processes that use a power supply to create an electric arc between an electrode and the base material to melt the metals at the welding point.

The process of manual arc welding is widely used because of its easy manipulation and its low capital and running costs, which also makes it ideal for use in ship and boat building. In arc welding, the voltage is directly related to the length of the arc and the current is related to the amount of heat input. Constant current power supplies are most often used for

manual welding processes such as gas tungsten arc welding and shielded metal arc welding because they maintain a relatively constant current even as the voltage varies. That is important because, in manual welding, it can be difficult to hold the electrode perfectly steady and, as a result, the arc length and thus the voltage tends to fluctuate.

The marine surveyor should have an understanding of what happens when the arc is struck. The electrode must first touch the piece to be welded. This causes a short circuit and, when the electrode is lifted slightly from the work piece, an electric arc is formed. Intense heat is generated to a temperature of about 6,000 degrees centigrade - high enough to melt both the electrode wire and its coating.

The aim of this handy guide is not to transform the surveyor into a competent welder, but to give him/her a deeper understanding and appreciation of this vitally important activity.

Electric arc welding runs to 76 pages and is available in paperback at £25 or in eBook pdf format at £22. To purchase a copy go to <https://bit.ly/2KIN5WM>.

Shipowners P&I Club releases a series of four podcasts about preventing yacht electrical fires



Since 2014 the Club has experienced 17 yacht fire claims. Of these claims, it was established that 10 were directly a result of an electrical fault, and 1 indirectly. These claims have the potential to demand a high quantum, with one such claim currently sitting at just under US\$ 3 million. It is not just the financial implications of these incidents as yachts suffering from fire or smoke damage deprive their owner use of their asset. This mini-series of four podcasts has been created to generate awareness surrounding the causes of yacht electrical fires and provide guidance from industry experts on how these incidents may be avoided.

The guests and speakers each have different specialisms within the yacht industry, such as flag State, underwriting, and surveying, bringing a variety of different perspectives and opinions to the discussions. Shipowners hopes that you find these podcasts informative and encourage further circulation of these materials to assist the common goal of mitigating incidents of this nature.

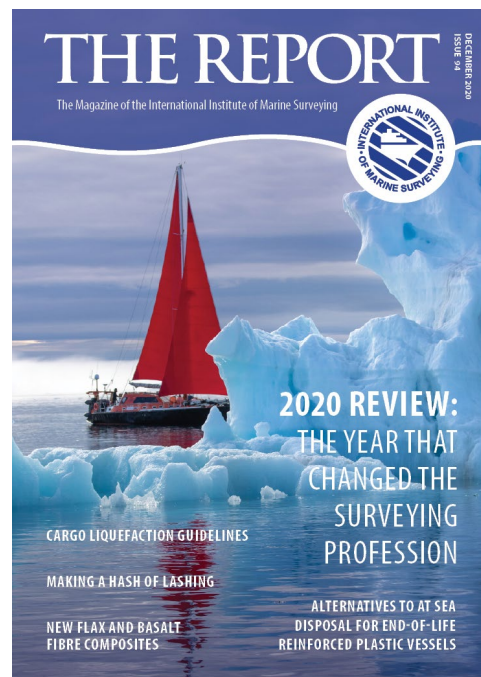
The podcasts can be heard at <http://bit.ly/36PD3td>.

Did you miss the December Report Magazine last month?

If you missed the December Report Magazine last month, you have missed a cracker of an edition and, at 116 pages, the largest ever produced. Use the link below to read this edition and back issues of the Report Magazine.

Here's what you missed:

- Review of 2020: The year that changed everything
- How COVID-19 has affected the role of the marine surveyor
- Hull coatings: A slippery subject
- End of use boats by Peter Franklin
- Alternatives to at sea disposal for end-of-life reinforced plastic vessels
- New flax and basalt fibre composites by Simonetta Pegorari
- Why we need to urgently rethink European inland waterways transportation
- Liability limitations - Who is operator who is manager
- Wakashio: How the crisis communications could have been better handled
- IMO in hot water following Mauritius oil spill and botched Wakashio salvage operation
- Making a hash of lashing
- What is AIS and how does it work?
- Cargo liquefaction guidelines
- Shipping, superyacht and boating facts, statistics and trends. How well do you know your industry?
- A day in the life of Uday Moorthi



To read back issues of the Report Magazine go to <https://bit.ly/2WQTosu>.



NTSB publishes its Safer Sea Digest with lessons learned from US marine accident investigations in 2019

The National Transport Safety Board has published its 104-page Safer Sea Digest in pdf format which can be downloaded below. The Digest shares lessons learned as a result of the Board's many incident and accident investigations in 2019. The aim of the Digest is to focus those who read it on what can and does go wrong and how it can be prevented in the future.

To read the article in full and download the Digest go to <https://bit.ly/2K6otoj>.

New shipping and boating regulations for 2021

IBC and MARPOL Annex II amendments require preparation by 1 January 2021

The shipping industry is required to replace existing certificates concerning the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code) and International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 (MARPOL) Annex II - Carriage of noxious liquid substances in bulk, as the amendments come into force on January 1st 2021. These amendments strengthen, in specified sea areas, discharge requirements for cargo residues and tank washings containing persistent floating products with a high viscosity and/or a high melting point that can solidify under certain conditions (e.g. certain vegetable oils and paraffin-like cargoes). The amendments add new paragraphs to MARPOL Annex II, Regulation 13 on the Control of discharges of residues of noxious liquid substances, to require prewash and discharge of residue/water mixture generated during the prewash to a reception facility, for specific products, in specified areas (Northwest European waters, Baltic Sea area, Western European waters and Norwegian Sea). To download MSC.315(74) go to <https://bit.ly/3abWkqx>.



Maritime Cyber Risk Management in Safety Management Systems

This resolution affirms that an approved safety management system should take into account cyber risk management in accordance with the objectives and functional requirements of the ISM Code. Administrations are encouraged to ensure that cyber risks are appropriately addressed in safety management systems no later than the first annual verification of the company's Document of Compliance after 1 January 2021; however, this is not mandatory. To download MSC.428(98) go to <https://bit.ly/2WfHMOv>.

EU Ship Recycling Regulation

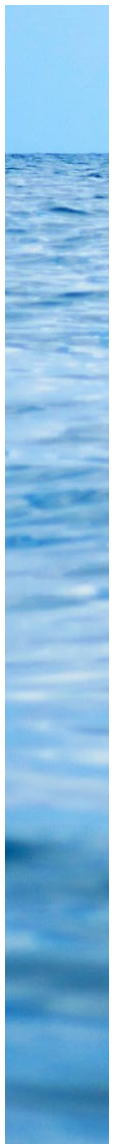
From 31 December 2020, all vessels of 500 GT or over calling at an EU port or anchorage will require to have on board an Inventory of Hazardous Materials (IHM) which is approved by their Flag State. This is a requirement under Regulation (EU) No. 1257/2013 on Ship Recycling Regulation (EU SRR), and will apply to all vessels, regardless of flag. The inventory is a list of hazardous materials that form part of the ship's structure and equipment, operationally generated hazardous wastes and stores on board.

NOx Tier III certification

From 1 January 2021, the Emission Control Area (ECA) regulations on NOx emissions from marine diesel engines become active in the Baltic Sea ECA and the North Sea ECA. Only vessels with an Engine International Air Pollution Prevention (EIAPP) Certificate and the subsequent demonstration of in-service compliance in accordance with the requirements of the mandatory regulations 13.8 and 5.3.2 respectively, NOx Technical Code 2008 (resolution MEPC.177(58) as amended by resolution MEPC.251.(66)), and classed as Tier III can operate in the ECAs. Tier II is still allowed outside the ECAs.

Marpol 26.8

In 2014, MEPC 66 adopted three resolutions concerning tanker stability. Marpol Annex I – MEPC.248(66), IBC Code - MEPC.250(66), and BCH Code - MEPC.249(66). All three resolutions require new and existing oil and chemical tankers to be fitted with an approved stability instrument capable of verifying compliance with the applicable intact and damage stability requirements. These new tankers, constructed on or after 1 January 2016, will need to comply on delivery and existing tankers, constructed before 1 January 2016, will need to comply at the first scheduled renewal survey after 1 January 2016 but not later than 1 January 2021.



MGN 646 published by MCA: Engine emission standards for inland waterway vessels

In December, the UK Maritime & Coastguard Agency (MCA) published a marine notice to provide clarification concerning the applicable engine standards for vessels operating on inland waterways, in accordance with the MARPOL Annex VI requirements that apply to vessels operating on tidal Category C, and D waters, as well as at sea. Requirements of the Non Road Mobile Machinery Regulation (NRMM) apply to vessels operating on Category A, B, C and D waters. It is a notice to all: MSN 1837 defines UK inland water categories as follows:

Category A: Narrow rivers and canals where the depth of water is generally less than 1.5 metres.

Category B: Wider rivers and canals where the depth of water is generally 1.5 metres or more and where the significant wave height could not be expected to exceed 0.6 metres at any time.

Category C: Tidal rivers and estuaries and large, deep lakes and lochs where the significant wave height could not be expected to exceed 1.2 metres at any time.

Category D: Tidal rivers and estuaries where the significant wave height could not be expected to exceed 2.0 metres at any time.

Therefore, the legislation clearly defines the geographical extent of application of the regulations to include tidal Category C, and D waters. This is logical in the context that seagoing ships coming into port are most likely to do so on a Category C or D inland waterway. Category A and B waterways are specifically excluded from the legislation.

Read the full article and download the MGN 646 at <https://bit.ly/382ryh7>.

New Australian regulation



Float-free EPIRBs mandatory from January 2021

From 1 January 2021, float-free emergency position-indicating radio beacons (EPIRBs) will be mandatory on certain types of commercial vessel.

From 1 January 2021 it will be mandatory for the following domestic commercial vessels to carry a float-free EPIRB:

- all fishing, passenger and non-passenger domestic commercial vessels (Class 1, 2, and 3) that are equal to or greater than 12 metres in length and operate beyond 2 nautical miles from land;
- all fishing, passenger and non-passenger domestic commercial vessels (Class 1, 2, and 3) that are less than 12 metres in length operating in restricted offshore and offshore waters (B or C waters) and do not have level flotation; and;
- all hire and drive vessels operating in restricted offshore waters (Class 4C) equal to or greater than 12 metres in length, or less than 12 metres and do not have level flotation.

For more details go to <http://bit.ly/3a6VaNc>.

EU delays Inventory of Hazardous Materials obligations until the 30 June 2021

Inventory of Hazardous Materials (IHM) is a document package that shows the quantities and locations of hazardous materials onboard a vessel. Once on board the IHM should be updated when changes occur on board until the end of life of the vessel.

The European Union (EU) has given some support on the obligations under the EU Ship Recycling Regulation to have the IHM on board by the 31st December 2020. This is due to the multiple challenges created by the Covid-19 pandemic.

The European Commission (EC) has suggested to EU member states to apply a harmonised approach for six months after the entry 31st December 2020 into application of the IHM-related obligations for existing EU flagged ships and non-EU flagged ships calling at EU ports or anchorages. On this basis Members will have up until 30th June 2021.

Read the full article at <https://bit.ly/2WjfAdA>.

Despite the pandemic, IIMS delivers a successful practical course



Developing a 7 day practical course with the Boat Building Academy in Lyme Regis took over one year. The main planks of the course were put in place well before the pandemic took hold and it became unclear if the course could run safely. In the end, IIMS was able to successfully deliver an excellent course for a reduced number of 6 students with social distancing and other sensible measures in place.

Over the duration of the week, students had the chance to get their hands dirty learning skills in the workshops about vessel structure as well as undertaking some practical activities with GRP.

Mid-way through the course, experienced surveyor, David Pestridge, Jon Sharland (Tritex Ltd) and Mike Schwarz joined for a day. David spent a couple of hours explaining how to prepare for and conduct a survey. After Jon has given a presentation on the workings of ultrasound thickness measurement, the group headed to the harbour in foul weather to test the equipment and hammer tap some hulls.

After lunch, Mike Schwarz, aided by Paul Homer who joined online, delivered a shortened version of the report writing seminar. The day concluded with a video of Karen Brain (Matrix Insurance Services Ltd) and her presentation entitled 'Things that go wrong in reports'.

Will Reed, Academy Principal, said, "It has been a pleasure to work with IIMS on this project and being able to use and showcase the facilities at the Academy and our talented tutors for the benefit of the students is rewarding. We look forward to welcoming IIMS students to the next course."

IIMS expects to run a similar course late in 2021. If you wish to express your interest to attend and would like more details, please email Lorna Robinson at education@iims.org.uk.



David Pestridge explains the finer points to hammer tapping



Jon Sharland oversees ultra-sonic thickness measuring on a steel hull in the harbour



Jon Sharland and students thickness testing a GRP hull on the hard



David Petridge and students inspecting a vessel's hull

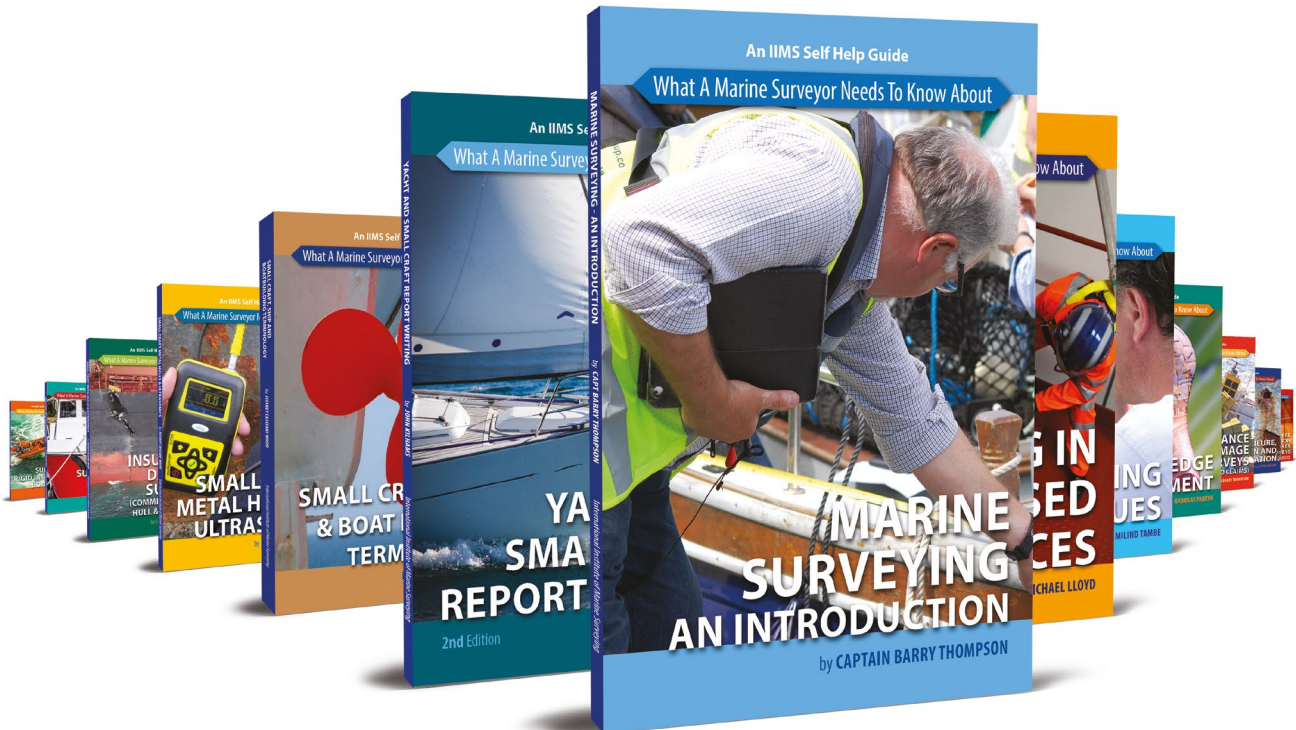


Will Reed, Academy Principal, who with colleagues was instrumental in developing the course



"WHAT A MARINE SURVEYOR NEEDS TO KNOW ABOUT..."

The growing series of IIMS self help handy guides



WHAT A MARINE SURVEYOR NEEDS TO KNOW ABOUT	AUTHOR	PRICE	ISBN
Marine Surveying: An Introduction	Capt Barry Thomson	£20.00	978-1-911058-07-6
Imaging Techniques	Milind Tambe	£27.00	978-1-911058-02-1
Small Craft Metal Hulls & Ultrasonics	Jeffrey Casciani-Wood	£25.00	978-1-911058-03-8
Working In Enclosed Spaces	Capt Michael Lloyd & Adam Allan	£25.00	978-1-911058-00-7
Surveying Wood Craft	Ian Nicolson	£25.00	978-1-911058-04-5
Small Craft & Superyacht Valuations	Capt Philip Duffy	£17.00	978-1-911058-10-6
Small Craft, Ship & Boat-Building Terminology	Jeffrey Casciani-Wood	£30.00	978-1-911058-01-4
Yacht & Small Craft Report Writing 2ND EDITION	John Kilhams	£25.00	978-1-911058-18-2
Knowledge Management	Nicholas Parkyn	£20.00	978-1-911058-06-9
Dynamically Positioned Vessels	Hugh Raynor	£20.00	978-1-911058-08-3
Business Management Skills	Mike Schwarz	£20.00	978-1-911058-09-0
Small Craft Engine Surveys	Elliott Berry	£27.00	978-1-911058-11-3
Surveying Metal Craft	Ian Nicolson	£25.00	978-1-911058-12-0
Insurance Damage Surveys (Commercial Ships, Hull & Machinery)	Capt Barry Thomson	£20.00	978-1-911058-13-7
Insurance Damage Surveys (Cargo Claims)	Capt Barry Thomson	£20.00	978-1-911058-14-4
Insurance Damage Surveys (Yachts, Small Craft & Workboats)	Capt Barry Thomson	£20.00	978-1-911058-15-1
Surveying Sails	Ian Nicolson	£20.00	978-1-911058-16-8
Synthetic (Composite) Rigging	Nicholas Parkyn	£25.00	978-1-911058-17-5
Using Computers in Marine Surveying	Nicholas Parkyn	£18.00	978-1-911058-19-9
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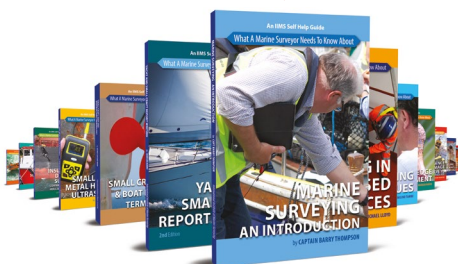


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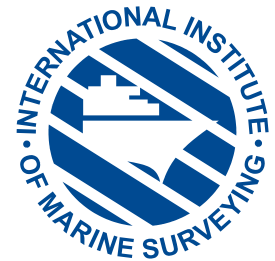
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Contact the IIMS Head Office team



As always, the IIMS head office team are here to help you on any matters relating to your membership or education needs. Please contact the appropriate person as follows:



It is important that we keep our database and records up to date. Perhaps you have a web site address to add? If your contact details - address, email and telephone number - should change, please be sure to inform us immediately by email: info@iims.org.uk or call +44 23 9238 5223 (answer phone out of office hours).