

**INTERNATIONAL MARITIME ORGANIZATION**

**MARITIME KNOWLEDGE CENTRE**

*“sharing maritime knowledge”*

**CURRENT AWARENESS BULLETIN**

May 2017



Maritime Knowledge Centre  
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## About the MKC Current Awareness Bulletin (CAB)

The aim of the MKC Current Awareness Bulletin (CAB) is to provide a digest of news and publications focusing on subject areas related to the work of IMO. Each CAB issue presents headlines from the previous month. For copyright reasons, the *Current Awareness Bulletin* (CAB) contains excerpts only. Links to the complete articles or abstract on publishers' sites are included when available, though access may require payment or subscription.

The MKC *Current Awareness Bulletin* is published monthly and issues from the current and the past year are free to download from this [page](#).

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The *Current Awareness Bulletin* (CAB) is published by the Maritime Knowledge Centre and is not an official IMO publication. Inclusion does not imply any endorsement by IMO.

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## IMO / UNITED NATIONS NEWS & EVENTS

### WHAT'S NEW

#### **25 June, 2017 Day of the Seafarer: *Seafarers Matter***

This year, once again, 25 June will mark the annual Day of the Seafarer (DotS). DotS was established in a resolution adopted by the 2010 Diplomatic Conference in Manila to adopt the revised STCW Convention. Its stated purpose is to recognize the unique contribution made by seafarers from all over the world to international seaborne trade, the world economy and civil society as a whole.

The resolution "encourages Governments, shipping organizations, companies, shipowners and all other parties concerned to duly and appropriately promote the Day of the Seafarer and take action to celebrate it meaningfully". This year our theme is "[Seafarers Matter](#)".

For 2017, we want to particularly engage ports and seafarer centres to demonstrate how much seafarers matter to them. The idea is for ports and seafarer centres to share and showcase best practices in seafarer support and welfare.

We want them to organize special activities for seafarers on that Day, for example:

- social event organised in port to celebrate seafarers
- public open day at seafarer centres
- free wi-fi in port for a day

[Official video message by Kitack Lim, IMO Secretary-General](#) 

View IMO's [interactive world map](#) showcasing best practices in seafarer support and welfare.

### IMO MEETINGS FOR 2017

**Maritime Safety Committee (MSC) (07/06/2017 - 16/06/2017)**

### IMO PRESS BRIEFINGS

[Protecting ships, people and the polar environment](#)

Briefing: 15, May 16, 2017

[Pacific Community to host Maritime Technology Cooperation Centre for Pacific](#)

Briefing: 14, May 15, 2017

### IMO NEWS MAGAZINE [\(Spring 2017\)](#)

**IMO PUBLISHING** [Just Published: 2017](#) [April 2017 Newsletter](#)

**RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM****[IMLI Graduation ceremony](#)**

Malta, 27 May 2017

**[Speech to European Maritime Safety Agency \(EMSA\) staff](#)**

EMSA, Lisbon, Portugal, 24 May 2017

**[“International maritime conventions and the global shipping industry” - International Maritime Forum](#)**

Shanghai University, 15 May 2017

**[Launch of MTCC-ASIA](#)**

Shanghai Maritime University, 15 May 2017

**[Relevance of IMO's role to the "One Belt One Road" vision, Beijing Summit \(Belt and Road Forum\)](#)**

Address during the Parallel Meeting, 14 May 2017

**[Third Joint Ministerial Conference of the Paris and Tokyo Memoranda of Understanding on Port State Control, Vancouver, Canada](#)**

Vancouver, Canada, 3-4 May 2017

## UNITED NATIONS NEWS

**The Ocean Conference 5-9 June 2017: Programme.** *United Nations* [Online]. 2017.

Available from: <https://oceanconference.un.org/programme> The high-level United Nations Conference to Support the Implementation of Sustainable Development Goal 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development will be convened at United Nations Headquarters in New York from 5 to 9 June 2017, coinciding with World Oceans Day, to support the implementation of Sustainable Development Goal 14.

**Next month's ocean conference eyes cutting \$35 billion in fisheries subsidies – UN trade officials.** *UN News Centre* [Online]. 10 May 2017. Available from: <http://www.un.org/apps/news/story.asp?NewsID=56725> Harmful fishing subsidies that contribute to overfishing are estimated to be as high as \$35 billion, fisheries experts from the United Nations trade and development agency today said, highlighting one of the key issues that will be debated at next month's Ocean Conference.

**Update on two shipwrecks in the Central Mediterranean.**

*United Nations High Commissioner for Refugees (UNHCR)* [Online]. 9 May 2017.

Available from: <http://www.unhcr.org/uk/news/briefing/2017/5/591178294/update-shipwrecks-central-mediterranean.html> This is a summary of what was said by UNHCR spokesperson Cécile Pouilly – to whom quoted text may be attributed – at today's press briefing at the Palais des Nations in Geneva.

**International Criminal Court may investigate migrant-related crimes in Libya, Security Council told.** *UN News Centre* [Online]. 8 May 2017. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=56712> The Prosecutor of the International Criminal Court (ICC) today told the United Nations Security Council that her Office is considering launching an investigation into alleged migrant-related crimes in Libya, including human trafficking.

**News comment by the United Nations High Commissioner for Refugees, Filippo Grandi, on Mediterranean crossings over the weekend.** *United Nations High Commissioner for Refugees (UNHCR)* [Online]. 7 May 2017. Available from:

<http://www.unhcr.org/uk/news/press/2017/5/590f216a4/news-comment-united-nations-high-commissioner-refugees-filippo-grandi-mediterranean.html> Since Friday, we've seen over 6,000 people crossing the Mediterranean to reach Italy – bringing the total this year to over 43,000.

**Mediterranean: Coast guard on alert after shipwrecks as smugglers take advantage of calm waters.** *UN News Centre* [Online]. 9 May 2017. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=56716> 🚢 About 6,600 migrants and refugees were rescued in the past few days trying to cross the Mediterranean Sea, United Nations authorities have said, as rescuers are on the lookout for up to 245 people missing after two shipwrecks this weekend.

**At China's Belt and Road Forum, UN chief Guterres stresses shared development goals.**

*UN News Centre* [Online]. 14 May 2017. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=56751> Speaking at a major international conference in Beijing, United Nations Secretary-General António Guterres today drew comparisons between China's 'One Belt, One Road' initiative and the Sustainable Development Goals, saying both are rooted in a shared vision for global development.

**Major commitment on Marine Spatial Planning announced ahead of The UN Ocean Conference.** *UNESCO* [Online]. 12 May 2017. Available from:

[http://www.unesco.org/new/en/media-services/single-view/news/major\\_commitment\\_on\\_marine\\_spatial\\_planning\\_announced\\_ahead/](http://www.unesco.org/new/en/media-services/single-view/news/major_commitment_on_marine_spatial_planning_announced_ahead/) A Joint Roadmap to accelerate Marine Spatial Planning processes worldwide has been put forward as a major voluntary commitment of the UN Ocean Conference, set to take place 5-9 June 2017 in New York.

**On World Day, UN agencies urge countering threats to cultural diversity.** *UN News Centre* [Online]. 21 May 2017. Available from: <http://www.un.org/apps/news/story.asp?NewsID=56804>

Cultural diversity – the driving force of change and development – is increasingly under threat, United Nations agencies today said, reaffirming support for the cultural diversity that stems from migration.

**In wake of 'WannaCry' attacks, UN cybersecurity expert discusses Internet safety.**

*UN News Centre* [Online]. 19 May 2017. Available from:

<http://www.un.org/apps/news/story.asp?NewsID=56796> A United Nations cybersecurity expert says that cybercrime is ultimately preventable, and that the internet – even the hidden so-called 'dark net' – has very good elements to it.

**Ethiopia's Tedros Adhanom elected to top UN health post.** *UN News Centre* [Online].

23 May 2017. Available from: <http://www.un.org/apps/news/story.asp?NewsID=56823>

The World Health Assembly, the decision-making body of the United Nations health agency, today elected Tedros Adhanom Ghebreyesus as the new Director-General of the World Health Organization (WHO).

## CASUALTIES

**Cabinet approves ordinance on Sewol investigative committee.** *Yonhap News Agency* (South Korea) [Online]. 2 May 2017. Available from:

<http://english.yonhapnews.co.kr/search1/2603000000.html?cid=AEN20170502008300320>

The Cabinet on Tuesday passed an ordinance detailing the makeup and operational duties of a committee that will investigate the cause of the deadly ferry sinking that killed more than 300 people.

**General cargo vessel sinks off the Philippines.** *By Jason Patinkin. Splash 24/7* [Online].

8 May 2017. Available from: <http://splash247.com/general-cargo-vessel-sinks-off-philippines/>

General cargo vessel *Fortuner* sank off the shoreline of Barangay Cansojong, Talisay City in the Philippines yesterday.

**Flooding Forces Reefer's Crew to Abandon Ship.** *Maritime Executive* [Online]. 8 May 2017.

Available from: <http://www.maritime-executive.com/article/flooding-forces-reefers-crew-to-abandon-ship>

On Friday, the refrigerated cargo ship *Uruguay Reefer* suffered a "massive intake of water" in her number two hold, and 48 hours later her crew abandoned ship due to worsening flooding.

**Historic Nella Dan Footage Released.** *By Wendy Laursen. Maritime Executive* [Online].

7 May 2017. Available from: <http://www.maritime-executive.com/article/historic-nella-dan-footage-released>

🎬 A digitized film database of the polar ship the *Nella Dan* was released on Saturday and is now available for viewing online.



**Fishing Boat Collides with Navy Cruiser.** *Maritime Executive* [Online]. 9 May 2017. Available from: <http://www.maritime-executive.com/article/fishing-boat-collides-with-navy-cruiser> At midday on May 9, a small Korean fishing boat struck the guided missile cruiser *USS Lake Champlain* during an exercise near Ulleung Island in the Sea of Japan.

**Ship loaded with petroleum substances catches fire in Sharjah, one killed.** By Aghaddir Ali. *Gulf News* [Online]. 13 May 2017. Available from: <http://gulfnews.com/news/uae/emergencies/ship-loaded-with-petroleum-substances-catches-fire-in-sharjah-one-killed-1.2026442> ☠ Four people injured, with 16 others evacuated after fire breaks out in ship docked at Al Hamriyah seaport.

**Fire reported at Samsung Heavy shipyard in Geoje.** *Yonhap News Agency (South Korea)* [Online]. 17 May 2017. Available from: <http://english.yonhapnews.co.kr/business/2017/05/17/0501000000AEN20170517003500315.html> A fire broke out at a shipyard of Samsung Heavy Industries Co. in the south eastern port city of Geoje on Wednesday, but it was put out without any casualties, firefighters said.

**Spain police find Singapore ship captain drifting at sea.** *Straits Times* [Online]. 17 May 2017. Available from: <http://www.straitstimes.com/world/europe/spain-police-find-singapore-ship-captain-drifting-at-sea> The captain of a large Singaporean cargo ship was found drifting at sea off the coast of southern Spain clinging to a life buoy in a "very serious state," police said on Tuesday (May 16).

**Twin Blasts Kill 6 at Colombia's Cartagena Shipyards.** *Voice of America* [Online]. 17 May 2017. Available from: <https://www.voanews.com/a/twin-blasts-at-colombia-shipyards/3855484.html> Colombian police are investigating explosions at two shipyards in Cartagena that killed at least six people and injured 22 others.

**Marshall Islands issues *Stellar Daisy* statement as repairs continue on another *Polaris* converted VLOC.** By Sam Chambers. *Splash 24/7* [Online]. 23 May 2017. Available from: <http://splash247.com/marshall-islands-finally-issues-stellar-daisy-statement/> More than seven weeks since the *Stellar Daisy* sank in the South Atlantic with the loss of 22 lives, its registry the Marshall Islands has finally issued a terse statement on the incident.

**Five Killed in Fire Aboard Indonesian Ferry.** By Mike Schuler. *gCaptain* [Online]. 22 May 2017. Available from: <http://gcaptain.com/five-killed-in-fire-aboard-indonesian-ferry/> At least five were killed after a fire broke out aboard a car and passenger in the Java Sea on Friday, Indonesian authorities confirmed over the weekend.

**Bulker Crewman Dies in Berthing Accident in Quebec.** *World Maritime News* [Online]. 24 May 2017. Available from: <http://worldmaritimenews.com/archives/220770/bulker-crewman-dies-in-berthing-accident-in-quebec/> The Transportation Safety Board of Canada (TSB) has deployed a team of investigators to the Port of Trois-Rivières, Québec, following an accident involving the bulk carrier *Nord Quebec* in which one person died.

**France identifies faults in Royal Caribbean lifeboat death.** By Eric Martin. *TradeWinds* [Online]. 24 May 2017. Available from: <http://www.tradewindsnews.com/casualties/1267604/france-identifies-faults-in-royal-caribbean-lifeboat-death> French investigators pointed to crew preparation and equipment troubles among factors contributing to the September death of a crew member on a Royal Caribbean Cruises vessel during an abandon ship drill.

**Report of the marine safety investigation into a lifeboat fall during an abandon ship drill on the 13th September 2016 in Marseille, France.** *Bahamas Maritime Authority* [Online].

24 May 2017. Available from: <http://www.bahamasmaritime.com/wp-content/uploads/2017/05/Harmony-of-the-Seas-Marine-Safety-Investigation.pdf> 

On 13 September 2016 at Marseille, an abandon ship drill planned for a part of the crewmembers of the cruise ship *HARMONY OF THE SEAS* was organised with the 9 port lifeboats.

**Accident Investigation Report 11/2017: Grounding of passenger vessel *Royal Iris of the Mersey*, July 10, 2016.** *UK Marine Accident Investigation Branch (MAIB)* [Online]. 25 May 2017.

Available from: <https://www.gov.uk/maib-reports/grounding-of-passenger-vessel-royal-iris-of-the-mersey> On 10 July 2016, the passenger vessel *Royal Iris of the Mersey* grounded on the remains of a mooring dolphin while manoeuvring toward Eastham lock at the entrance to the Manchester Ship Canal. [MAIB Accident Report](#) 

**Poor watchkeeping causes collision.** *Safety 4 Sea* [Online]. 26 May 2017. Available from: <http://www.safety4sea.com/poor-watchkeeping-causes-collision/> The Japan Transport Safety Board (JTSB) issued an investigation report on the collision between a container ship and a fishing vessel off Himeshima Village, Oita Prefecture, Japan, that killed one person.

## ENVIRONMENT

**Arctic's Summer Sea Ice Could Be Gone in 20 Years.** By Mia Bennett. *Maritime Executive* [Online]. 1 May 2017. Available from: <http://maritime-executive.com/editorials/arctics-summer-sea-ice-could-be-gone-in-20-years> Say goodbye to dreams of standing at the top of the world, for you may soon have to swim.

**'Inner city' seals may suffer hearing loss.** *University of St Andrews (UK)* [Online]. 2 May 2017. Available from: <https://www.st-andrews.ac.uk/news/archive/2017/title,1276603,en.php> Seals may experience hearing loss from underwater vessel noise, according to new research from the University of St Andrews.

**Sustainable Use of Africa's Oceans and Seas.** By Eromosele Abiodun. *This Day (Nigeria)* [Online]. 5 May 2017. Available from: <https://www.thisdaylive.com/index.php/2017/05/05/sustainable-use-of-africas-oceans-and-seas/> Eromosele Abiodun examines the outcome of the Association of African Maritime Administrations conference held in Abuja and posited that sustainable use of oceans and seas will boost the economy of Africa and pull millions out of poverty.

**Full tilt: giant offshore wind farm opens in North Sea.** *The Guardian* [Online]. 9 May 2017. Available from: <https://www.theguardian.com/environment/2017/may/09/full-tilt-giant-offshore-wind-farm-opens-in-north-sea> Dutch officials have opened what is being billed as one of the world's largest offshore wind farms, with 150 turbines spinning far out in the North Sea.

**The complicated relationship between cruise ships and the Arctic Inuit.** By Peter Kujawinski. *New Yorker* [Online]. 11 May 2017. Available from: <http://www.newyorker.com/news/news-desk/the-complicated-relationship-between-cruise-ships-and-the-arctic-inuit> Last summer, the *Crystal Serenity*, a luxury cruise ship, embarked on a monthlong voyage through the Northwest Passage, the sea route that winds through Canada's Arctic archipelago.



**WWF Arctic Council Conservation Scorecard.** *Arctic Council* [Online]. May 2017.

Available from: <http://www.wwf-ap.org/apps/acscorecard/> For more than 20 years, the Arctic states, through the Arctic Council (AC), have pursued conservation efforts to safeguard the Arctic environment. [Assessment Report](#) 

**Pacific islands are on a collision course with the shipping industry.** By Moses Kouni Mose, Solomon Islands ambassador to the European Union. *Climate Home* [Online].

15 May 2017. Available from: <http://www.climatechangenews.com/2017/05/15/pacific-islands-collision-course-shipping-industry/> Yet it is a significant and growing source of carbon emissions which, unless it is controlled, will undermine all our national efforts to achieve the agreement's temperature goals.

**Ocean acidification is global warming's forgotten crisis.** By Marlene Moses, UN Permanent Representative for Nauru and Chair, Pacific Small Island Developing States.

*Climate Home* [Online]. 15 May 2017. Available from:

<http://www.climatechangenews.com/2017/05/15/ocean-acidification-global-warmings-forgotten-crisis/> Most of us are familiar with the climate change impacts we see and feel in our communities: heatwaves, storms, droughts, floods, and so on.

**CMA and WMO promote meteorological cooperation in Belt and Road Regions.**

By Yu Jun. *China Meteorological Administration* [Online]. 16 May 2017. Available from:

[http://www.cma.gov.cn/en2014/news/News/201705/t20170516\\_410004.html](http://www.cma.gov.cn/en2014/news/News/201705/t20170516_410004.html) Along Belt and Road regions, rainstorm, flooding, typhoon, heat wave and drought, low temperature and cold wave are frequent.

**Year of Polar Prediction – from research to improved environmental safety.**

*World Meteorological Organization (WMO)* [Online]. 15 May 2017. Available from:

<https://public.wmo.int/en/media/press-release/year-of-polar-prediction-%E2%80%93-from-research-improved-environmental-safety> A concerted international campaign to improve predictions of weather, climate and ice conditions in the Arctic and Antarctic has been launched to minimize the environmental risks and maximize the opportunities associated with rapid climate change in polar regions and to close the current gaps in polar forecasting capacity.

**Report delivers stark warning for region.** *Cayman News Service* [Online]. 17 May 2017.

Available from: <https://caymannewsservice.com/2017/05/report-delivers-stark-warning-for-region/> Much more needs to be done to reduce human pressures on island systems in the Caribbean to make states more resilient to climate change, a new report by a Commonwealth institution has found.

**Caribbean Marine Climate Change Report Card 2017.** *UK Government* [Online]. May 2017.

Available from:

[https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/604876/Caribbean\\_Report\\_Card.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/604876/Caribbean_Report_Card.pdf)  What you need to know about the impact of climate change on the critical state of coasts and seas in Caribbean Small Island Developing States (SIDS), and what needs to be done.

**Guidelines for Community Visits in Arctic Launched by AECO.** *Cruise Industry News*

[Online]. 19 May 2017. Available from: <https://www.cruiseindustrynews.com/cruise-news/16900-guidelines-for-community-visits-in-arctic-launched-by-aeco.html> The Association of Arctic Expedition Cruise Operators (AECO) has presented a set of Community Guidelines aimed at Arctic tourists, according to a press release.

**Climate change is turning Antarctica green, say researchers. By Nicola Davis.**

*The Guardian* [Online]. 18 May 2017. Available from:

<https://www.theguardian.com/science/2017/may/18/climate-change-is-turning-antarctica-green-say-researchers> In the past 50 years the quantity and rate of plant growth has shot up, says study, suggesting further warming could lead to rapid ecosystem changes.

**Rush Hour in the Bering Strait. By Martin Robards. Scientific American** [Online].

19 May 2017. Available from: <https://blogs.scientificamerican.com/observations/rush-hour-in-the-bering-strait/> Hundreds of thousands of marine mammals migrate through the gap between Russia and Alaska—and these aquatic commuters are increasingly under threat

**Taking action on climate change will boost economic growth.**

*Organisation for Economic Co-Operation and Development (OECD)* [Online]. 23 May 2017.

Available from: <http://www.oecd.org/newsroom/taking-action-on-climate-change-will-boost-economic-growth.htm> Integrating measures to tackle climate change into regular economic policy will have a positive impact on economic growth over the medium and long term, according to a new OECD report prepared in the context of the German Presidency of the G20.

**G7 split as leaders issue climate statement without US. By Karl Mathiesen. Climate Home**

[Online]. 27 May 2017. Available from: <http://www.climatechangenews.com/2017/05/27/trump-takes-us-brink-climate-isolation-g7/> US would not join other G7 leaders in support of climate action.

## ENVIRONMENTAL POLLUTION

**Prevalence of heavy fuel oil and black carbon in Arctic shipping, 2015 to 2025.**

**By Bryan Comer, Naya Olmer, Xiaoli Mao, Biswajoy Roy, and Dan Rutherford.**

*International Council on Clean Transportation (ICCT)* [Online]. 1 May 2017. Available from:

<http://www.theicct.org/2015-heavy-fuel-oil-use-and-black-carbon-emissions-from-ships-in-arctic-projections-2020-2025> Estimates heavy fuel oil (HFO) use, HFO carriage, the use and carriage of other fuels, BC emissions, and emissions of other air and climate pollutants in the Arctic for the year 2015, with projections to 2020 and 2025 [Report](#) 

**Oil spill flows into Venezuela waters. By Sascha Wilson. Guardian (Trinidad and Tobago)**

[Online]. 30 April 2017. Available from: <http://www.guardian.co.tt/news/2017-04-30/oil-spill-flows-venezuela-waters>

Despite mop-up operations by Petrotrin following an oil spill two Sundays ago which saw 300 barrels of oil leaking into the sea, the oil has crossed into international waters and has reached the eastern coastline of Venezuela.

**The environmental disaster that changed California — and started the movement against offshore oil drilling. By Shelby Grad. Los Angeles Times** [Online]. 28 April 2017.

Available from: <http://www.latimes.com/local/lanow/la-me-santa-barbara-spill-20170428-htmlstory.html>

California has been a leader in restricting offshore oil drilling since the 1969 Santa Barbara oil spill.

**Washed up whale 'most contaminated' on record. BBC News** [Online]. 3 May 2017.

Available from: <http://www.bbc.co.uk/news/av/science-environment-39788999/washed-up-whale-most-contaminated-on-record> 

Lulu the killer whale had 20 times the expected level of banned chemicals known as PCBs in her system.

**Florida passes bill that should see *Deepwater Horizon* settlement money paid to eight counties.** By Donal Scully. *Splash* 24/7 [Online]. 2 May 2017. Available from: <http://splash247.com/florida-passes-bill-that-should-see-deepwater-horizon-settlement-money-paid-to-eight-counties/> The State of Florida has moved closer to dishing out hundreds of millions in financial assistance to communities hit by the effects of the 2010 *Deepwater Horizon* disaster.

**Best practices for pollution prevention and mitigation.** By David Nichol, Regional Loss Prevention Executive, Thomas Miller P&I (Europe) Ltd. *Green4Sea* [Online]. 3 May 2017. Available from: <http://www.green4sea.com/best-practices-pollution-prevention-mitigation/> David Nichol, Regional Loss Prevention Executive, Thomas Miller P&I (Europe) Ltd, gave a presentation entitled "Pollution Prevention and Mitigation" and explained how The UK P&I Club Risk Assessment Scheme works towards that end.

**Europe must say No to heavy fuel oil in the Arctic.** By Sirpa Pietikäinen, Substitute Member, European Parliament, Environment, Public Health and Food Safety Committee. *Lloyd's List* [Online]. 3 May 2017. Available from: <https://www.lloydslist.com/ll/sector/regulation/article555063.ece> If spilled in the colder waters of the Arctic, HFO breaks down more slowly and also emits black carbon, which has a greater climate warming effect at higher latitudes

**Trump's Executive Orders Ignore The Ocean's 'Blue Economy'.** By D. A. Barber. *Huffington Post* [Online]. 4 May 2017. Available from: [http://www.huffingtonpost.com/entry/trumps-executive-orders-ignore-the-oceans-blue-economy\\_us\\_590b55ebe4b056aa2363d265](http://www.huffingtonpost.com/entry/trumps-executive-orders-ignore-the-oceans-blue-economy_us_590b55ebe4b056aa2363d265) President Donald Trump's April 26 executive order to review national monuments created in the last ten years entails a review of national marine sanctuary designations, including the Pacific Remote Islands Marine National Monument, the Rose Atoll Marine National Monument, the Mariana Trench Marine National Monument, and the Northeast Canyons and Seamounts Marine National Monument.

**Oil billionaire who vowed to give away fortune funds ship to remove plastic from the ocean.** *Canadian Broadcasting Corporation (CBC)* [Online]. 4 May 2017. Available from: <http://www.goo.gl/XdqLnA> A man who got rich in the oil and gas industry is funneling funds towards a research vessel designed to remove plastic from the ocean and destroy it.

**The Ocean Cleanup raises 21.7 million USD in donations to start Pacific cleanup trials.** *The Ocean Cleanup* [Online]. 3 May 2017. Available from: <http://www.goo.gl/mGL259> The Ocean Cleanup, the Dutch foundation developing advanced technologies to rid the oceans of plastic, today announced that it has successfully raised 21.7 million USD in donations since last November.

**Concern for environment over possible oil spills.** By Alisi Vucago. *Fiji Times* [Online]. 8 May 2017. Available from: <http://fijitimes.com/story.aspx?id=399652> The Suva Harbour Foundation (SHF) is concerned that a possible oil spill from the *MV Southern Phoenix* that sank just off the Kings Wharf on Saturday morning would be environmentally harmful.

**IMO Lament Threat To Africa's Marine Environment, Waters.** *Global Business Edge* [Online]. 6 May 2017. Available from: <http://globalbusinessedge.org.ng/imo-lament-threat-to-africas-marine-environment-waters/> The International Maritime Organisation, IMO, has lamented the serious threat to Africa's Marine environment, degraded resources and increasing rate of over exploitation.

**Indonesia sues Thailand's PTT, PTTEP for \$2 billion over oil spill.** *Reuters* [Online]. 6 May 2017. Available from: <http://www.reuters.com/article/us-indonesia-thailand-oil-idUSKBN182063> The Indonesian government is suing Thailand's state-owned PTT and PTT Exploration and Production for around \$2 billion for alleged damage to the environment from an oil spill in the Timor Sea eight years ago.

**World Bank lauds Indonesia's effort in combatting marine plastic debris.** *Republika (Indonesia)* [Online]. 9 May 2017. Available from: <http://en.republika.co.id/berita/en/national-politics/17/05/09/opo1ir414-world-bank-lauds-indonesias-effort-in-combatting-marine-plastic-debris> The World Bank has lauded the Indonesian government's efforts to tackle the issue of waste in the sea.

**About: Discrepancies in oil spill. By Radhica Sookraj.** *Guardian (Trinidad and Tobago)* [Online]. 10 May 2017. Available from: <http://www.guardian.co.tt/news/2017-05-09/about-discrepancies-oil-spill> Demanding to know why no navigational warnings were issued after high density oil escaped from the ruptured *Tank 70* at Petrotrin's facility, corporate secretary of Fishermen and Friends of the Sea Gary About says there are too many discrepancies in the oil spill reports which happened last April.

**Fiji Ports confirms minor oil seepage from sunken ship. By Nasik Swami.** *Fiji Times* [Online]. 10 May 2017. Available from: <http://www.fijitimes.com/story.aspx?id=399921> A preliminary assessment carried out by the Fiji Ports Corporation Ltd (FPCL) has confirmed minor oil seepage from the hydraulics and diesel fuel of the sunken cargo ship *MV Southern Phoenix* at the Suva harbour.

**World's Dirtiest Fuel Seen Holding Out Even as Ships Clean Up. By Laura Blewitt.** *Bloomberg* [Online]. 9 May 2017. Available from: <https://www.bloomberg.com/news/articles/2017-05-09/world-s-dirtiest-fuel-seen-holding-out-even-as-ships-clean-up> Even as the owners of ships carrying everything from bananas to oil spend billions of dollars to meet tighter clean-air rules, demand to buy the dirtiest fuel will still hold out in some parts of the world.

**Project run by Wärtsilä and Seabin Project makes progress – Northern Europe's first floating rubbish bin installed in Helsinki.** *Wärtsilä Corporation* [Online]. 9 May 2017. Available from: <http://www.wartsila.com/media/news/09-05-2017-project-run-by-wartsila-and-seabin-project-makes-progress-northern-europes-first-floating-rubbish-bin-installed-in-helsinki> The first Seabin marine rubbish bin in all of Northern Europe was launched and placed in test use today in Uunisaari, off the coast of the Kaivopuisto district of Helsinki.

**No escaping ocean plastic: nearly 38 million bits of litter on one of world's remotest islands.** *University of Tasmania* [Online]. 16 May 2017. Available from: <http://www.media.utas.edu.au/general-news/all-news/no-escaping-ocean-plastic-nearly-38-million-bits-of-litter-on-one-of-worlds-remotest-islands> The beaches of one of the world's most remote islands have been found to be polluted with the highest density of plastic debris reported anywhere on the planet, in a study published in the prestigious US scientific journal *Proceedings of the National Academy of Sciences*.

**ICS commits shipping to ambitious CO2 reduction objectives.** *International Chamber of Shipping (ICS)* [Online]. 15 May 2017. Available from: <http://www.ics-shipping.org/news/press-releases/2017/05/15/ics-commits-shipping-to-ambitious-co2-reduction-objectives> At its AGM in Istanbul, ICS has agreed to urge the International Maritime Organization (IMO) to adopt some dramatic CO2 reduction objectives – on behalf of the international shipping sector as a whole – in order to match the ambition of the Paris Agreement on climate change.



**Innovative technology to recycle billions of plastic sachets.** *Climate Action* [Online]. 16 May 2017. Available from: <http://www.climateactionprogramme.org/news/innovative-technology-to-recycle-billions-of-plastic-sachets> Transnational consumer goods company Unilever will pilot an innovative technology to recycle plastic sachets, preventing billions of sachets entering oceans and landfill.

**European Maritime Day 2017 "The Future of Our Seas".** *European Commission* [Online]. 18 May 2017. Available from: [https://ec.europa.eu/commission/commissioners/2014-2019/vella/announcements/european-maritime-day-2017-future-our-seas\\_en](https://ec.europa.eu/commission/commissioners/2014-2019/vella/announcements/european-maritime-day-2017-future-our-seas_en) Minister d'Amour, distinguished guests, ladies and gentlemen, good morning and welcome to the European Maritime Day 2017.

**Use of Liquefied Natural Gas (LNG) in the Maritime Industries.** *Clean Seas* [Online]. 17 May 2017. Available from: <http://www.cleanerseas.com/use-of-liquefied-natural-gas-in-the-maritime-industries/> 90,000 cargo ships around the world use heavy bunker fuels that are not only among the dirtiest but the highest polluting as well.

**Australian oil well leaked into ocean for months – but spill kept secret.** By Michael Slezak. *The Guardian* [Online]. 17 May 2017. Available from: <https://www.theguardian.com/environment/2017/may/18/australian-oil-well-leaked-into-ocean-for-months-but-incident-kept-secret> Offshore oil and gas regulator says there was a 10,500-litre spill in April 2016 but refuses to reveal where it occurred or company responsible

**Senate Committee OKs Bill to Strip EPA's Power to Halt Spread of Aquatic Invasive Species.** *Center for Biological Diversity* [Online]. 18 May 2017. Available from: [http://www.biologicaldiversity.org/news/press\\_releases/2017/invasive-species-05-18-2017.php](http://www.biologicaldiversity.org/news/press_releases/2017/invasive-species-05-18-2017.php) The Senate Committee on Commerce, Science, and Transportation today voted on and adopted an amendment to the Coast Guard Authorization Act that would effectively eliminate the Environmental Protection Agency's authority to regulate discharges from large ocean vessels, which often contain aquatic organisms from other parts of the world.

**New app plans green transport route.** *Green Port* [Online]. 22 May 2017. Available from: <http://www.greenport.com/news101/Products-and-Services/new-app-plans-green-transport-route> A 'Green-Zones' app has been released which allows logistic firms to plan routes and journeys in Europe with their environmental footprint in mind.

**Remote Arctic communities defenseless against oil spills, reports conclude.** By Andrew Dumbrille, Senior Specialist, Sustainable Shipping. *WWF Canada* [Online]. 24 May 2017. Available from: <http://blog.wwf.ca/blog/2017/05/24/remote-arctic-communities-defenseless-oil-spills-reports-conclude/> As mining increases and less summer sea ice makes the Arctic more passable, the risk of a ship-based oil spill will only grow.

**Sub-zero waters a barrier to oil spill recovery.** *Phys Org* [Online]. 24 May 2017. Available from: <https://phys.org/news/2017-05-sub-zero-barrier-oil-recovery.html> Sub-zero temperatures in the deep waters of the North Atlantic would significantly hamper the ability of oil-eating bacteria to help the ocean recover from a major oil spill, according to new research.

**Ghana committed to prevent marine pollution — Asiamah.** By Emelia Ennin Abbey. *Graphic Online (Ghana)* [Online]. 23 May 2017. Available from: <http://www.graphic.com.gh/news/general-news/ghana-committed-to-prevent-marine-pollution-asiamah.html> Ghana will give priority attention to the prevention of the pollution of the marine environment, consistent with the Sustainable Development Goals (SDGs) and International Maritime Organisation (IMO) regulations, the Minister of Transport, Mr Kwaku Ofori Asiamah, has said.

**Bunker Spill Found in Denmark's Aalbaek Bay.** *Ship & Bunker* [Online]. 30 May 2017. Available from: <https://shipandbunker.com/news/emea/593392-bunker-spill-found-in-denmarks-aalbaek-bay> Several cubic meter of oil were spilled in the waters of Aalbaek Bay Friday night during a bunkering operation involving the Danish-flagged tanker *Aalborg* and the Maltese-flagged container ship *Koznitza*.

## HEALTH AND SAFETY

**Fatal accidents fuel scrutiny of lifeboat drills, systems.** By Will van Dorp. *Professional Mariner* [Online]. 2 May 2017. Available from: <http://www.professionalmariner.com/May-2017/Fatal-accidents-fuel-scrutiny-of-lifeboat-drills-systems/> The number of injuries and fatalities during lifeboat drills in recent years point to training and equipment shortcomings that have raised concerns across the maritime industry, undermining the confidence of seafarers whose lives and careers hang in the balance.

**Selective management of seafarers' health and safety.** By Carolyn Graham, PhD Student, Seafarers' International Research Centre. *Splash 24/7* [Online]. 8 May 2017. Available from: <http://splash247.com/selective-management-seafarers-health-safety/> There is enough evidence pointing to high rates of a number of work-related diseases and illnesses among seafarers as well as the customary slips, trips and falls leading to injuries and fatalities in many cases.

**Seafarer mental health branded 'a serious concern' as part of Mental Health Awareness Week.** *Hellenic Shipping News* [Online]. 8 May 2017. Available from: <http://www.hellenicshippingnews.com/seafarer-mental-health-branded-a-serious-concern-as-part-of-mental-health-awareness-week/> As part of Mental Health Awareness Week, the Mission to Seafarers is highlighting the mental health challenges faced by seafarers and calling on the industry to offer wider services that could help safeguard their welfare.

**'Remaining Resilient after Traumatic Events': New Mental Health & Welfare Leaflet published.** *Human Rights at Sea (HRAS)* [Online]. 8 May 2017. Available from: <https://www.humanrightsatsea.org/remaining-resilient-after-traumatic-events-new-mental-health-welfare-leaflet-published/> Human Rights at Sea is very pleased to announce the publishing of a new mental health welfare leaflet 'Remaining Resilient after Traumatic Events' for the benefit of seafarers, fishermen, their family and friends tackling the issue of how to remain resilient after a traumatic event at sea. [Remaining Resilient after Traumatic Events](#) 

**Software upgrade simplifies work hour record keeping.** *Safety 4 Sea* [Online]. 9 May 2017. Available from: <http://www.safety4sea.com/software-upgrade-simplifies-work-hour-record-keeping/> The International Chamber of Shipping (ICS) and IT Energy have announced the launch of the latest release of their acclaimed ISF Watchkeeper software, ISF Watchkeeper 3.5, which is developed for maintaining records of individual seafarers' work hour records, as required by IMO and ILO regulations, and to help prevent crew fatigue and to avoid issues with Port State Control.

**Looking After Mental Health.** *North of England P&I Association* [Online]. 9 May 2017. Available from: <http://www.nepia.com/insights/signals-online/people/mental-health/looking-after-mental-health/> North's series of articles about crew health and fitness have so far looked at measuring fitness levels, strengthening core muscles to try to avoid back problems, exercising to avoid obesity and healthy eating.



**Suicide the top cause of seafarer deaths. By Marcus Hand.** *Seatrade Maritime News* [Online]. 18 May 2017. Available from: <http://www.seatrade-maritime.com/news/asia/suicide-the-top-cause-of-seafarer-deaths.html> The UK P&I Club is putting the spotlight on seafarer mental health with suicide the cause of 15% of deaths at sea.

**MIN 546 (M) Seafarer fatigue - publication of two research projects 2017.**

*UK Maritime & Coastguard Agency* [Online]. 18 May 2017. Available from: <https://www.gov.uk/government/publications/min-546-m-seafarer-fatigue-publication-of-two-research-projects-2017> The Maritime and Coastguard Agency considers seafarer fatigue to be a potentially serious issue which is detrimental to safety at sea and the health of seafarers.

**A Final Report to the UK Maritime and Coastguard Agency: "Modelling the Hours of Work and Rest of Merchant Navy Watch Keepers and Tug Crews".** *Southampton Solent University and Warsash Maritime Academy* [Online]. March 2017. Available from: [https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/613099/Fatigue\\_Research\\_workload\\_modelling.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/613099/Fatigue_Research_workload_modelling.pdf) This report is from a consortium led by Southampton Solent University (SSU) - It is in response to an invitation from the UK Maritime and Coastguard Agency (MCA), to conduct a study to investigate the hours of work and rest of Merchant Navy watch keepers and tug crews.

**A Final Report to the UK Maritime and Coastguard Agency: "Investigation of the 8-hours on/8-hours off Seafarer Watch Keeping System".** *Southampton Solent University, Warsash Maritime Academy and Stress Research Institute, University of Stockholm* [Online]. June 2016. Available from: [https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/612588/Fatigue\\_Research\\_8on\\_8off.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/612588/Fatigue_Research_8on_8off.pdf) Theoretical and empirical evidence obtained in the project point in the same direction: the 6/6 watch keeping regime is worse than the 8/8 watch keeping regime in terms of the quantity and quality of sleep obtained.

**Crew distraught after captain's death.** *Apostleship of the Sea (AoS)* [Online]. 24 May 2017. Available from: <http://apostleshipofthesea.org.uk/crew-distraught-after-captains-death> Apostleship of the Sea (AoS) has responded to the faith and pastoral needs of a group of seafarers after their captain was found dead on their ship during a voyage from New York, United States to Tilbury, Essex.

**Nigeria Port Authority checks Ebola outbreak at seaports. By David Adekunle.**

*Voice of Nigeria (VON)* [Online]. 23 May 2017. Available from: <https://von.gov.ng/nigerian-port-authority-checks-ebola-outbreak-at-seaports/> The Nigerian Port Authority, NPA is making frantic efforts to ensure that the Ebola virus does not spread through the seaports.

**Asian shipowners stress MLC and STCW work and rest hours compliance.**

**By Marcus Hand.** *Seatrade Maritime News* [Online]. 25 May 2017. Available from: <http://www.seatrade-maritime.com/news/asia/asian-shipowners-stress-mlc-and-stcw-work-and-rest-hours-compliance.html> Asian shipowners have flagged concerns over practical onboard compliance with the Maritime Labour Convention (MLC) 2006 and the STCW Code.

## IMO

**The Role of the International Maritime Organization in Preventing the Pollution of the World's Oceans from Ships and Shipping.** *UN Chronicle* [Online]. May 2017. Available from: <https://unchronicle.un.org/article/role-international-maritime-organization-preventing-pollution-worlds-oceans-ships-and> As the United Nations agency responsible for developing and adopting measures to improve the safety and security of international shipping and to prevent pollution from ships, the International Maritime Organization (IMO) has an integral role in meeting the targets set out in United Nations Sustainable Development Goal (SDG) 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development.

**IMO Regs to Drive Future Ship Efficiency Gains, Says IMO Marine Environment Director.** *Ship & Bunker* [Online]. 15 May 2017. Available from: <https://shipandbunker.com/news/world/183124-imo-regs-to-drive-future-ship-efficiency-gains-says-imo-marine-environment-director> Stefan Micallef, Director of the Marine Environment Division at International Maritime Organization (IMO) last week, at the 2017 Propulsion and Emissions conference in Hamburg, said IMO regulations "will be a driver and catalyst for a generation of new, more efficient ships".

**Hope rises for Nigeria's return to IMO council. By Sulaimon Salau.** *Guardian (Nigeria)* [Online]. 17 May 2017. Available from: <https://guardian.ng/business-services/hope-rises-for-nigerias-return-to-imo-council/> Nigeria may soon regain its membership in the council of the International Maritime Organisation (IMO), as the country's Alternate Permanent Representative (APR) in the IMO, Diko Balla, recently disclosed of efforts being made by the Nigerian Maritime Administration and Safety (NIMASA) to return to the fold.

**Interview: IMO's Hughes talks sulfur cap, quashes talk of a delay.** *S&P Global Platts* [Online]. 17 May 2017. Available from: <https://www.platts.com/latest-news/shipping/london/interview-imos-hughes-talks-sulfur-cap-quashes-26738889> The 0.5% global sulfur limit on bunker fuels from the start of 2020 is "highly unlikely" to face any delay, Edmund Hughes, head of air pollution and energy efficiency at the International Maritime Organization, told S&P Global Platts in an exclusive interview.

**Tackling 2020: the impact of the IMO and how shipowners can deal with tighter sulfur limits: Shipping Special Report.** *S&P Global Platts* [Online]. May 2017. Available from: <https://www.platts.com/IM.Platts.Content/InsightAnalysis/IndustrySolutionPapers/SR-tackling-2020-imo-impact-shipowners-tighter-sulfur-limits.pdf>  The International Maritime Organization has left them with just over three years to choose between a sharp rise in fuel bills with no guarantee of consistent quality, a huge up-front capital cost for a scrubber or a new ship, or the legal risk of ignoring the sulfur cap and hoping the law doesn't catch up with them.

**IEA says IMO should take 'proactive action' to reduce greenhouse gas emissions. By Surabhi Sahu.** *S&P Global Platts* [Online]. 25 May 2017. Available from: <https://www.platts.com/latest-news/shipping/singapore/iea-says-imo-should-take-proactive-action-to-27836253> The International Energy Agency has said the International Maritime Organization should take "proactive action" to reduce greenhouse gas emissions from international shipping to meet the '2 degrees Celsius' goal.

**Tracking Progress: International shipping.** *International Energy Agency (IEA)* [Online]. 16 May 2017. Available from: <https://www.iea.org/etp/tracking2017/internationalshipping/> The shipping sector is a key enabler of international trade and constitutes the most energy-efficient way to move goods. [Tracking Clean Energy Progress 2017](#) 

## LAW AND POLICY

**Maritime transport: Commission refers Portugal to the Court for failing to respect its flag State obligations.** *European Commission* [Online]. 27 April 2017. Available from: [http://europa.eu/rapid/press-release\\_IP-17-1052\\_en.htm](http://europa.eu/rapid/press-release_IP-17-1052_en.htm) The Commission issued two separate referrals to the Court of Justice concerning flag state requirements on one hand, and monitoring and reporting activities of its recognised organisations on the other hand.

**Sustainable policies of EU ports.** *Green4Sea* [Online]. 3 May 2017. Available from: <http://www.green4sea.com/sustainable-policies-eu-ports/> Sotiris Raptis, Senior Policy Advisor for Environment and Safety, EcoPorts Coordinator, ESPO, referred to the "Sustainable policies of EU ports" at his presentation during the 2017 GREEN4SEA Conference focusing on EcoPorts contribution.

**From Valletta to Tallinn: ESPO statement to mark the Maritime Year of the European Union.** *European Sea Ports Organisation (ESPO)* [Online]. 3 May 2017. Available from: <http://www.espo.be/views/from-valletta-to-tallinn-espo-statement-to-mark-th> The European Sea Ports Organisation (ESPO) welcomes the Valetta Declaration setting the priorities for the EU's Maritime Transport policy until 2020. [Statement](#) 

**Indonesia launches \$2.6 billion lawsuit over WA oil spill. By Jewel Topsfield.** *Sydney Morning Herald (Australia)* [Online]. 5 May 2017. Available from: <http://www.smh.com.au/business/energy/indonesia-launches-26-billion-lawsuit-over-wa-oil-spill-20170504-gvygp3.html>  The Indonesian government has launched a \$US2 billion (\$2.6 billion) lawsuit against the company responsible for the worst oil spill in the history of Australia's offshore petroleum industry.

**The Second Geneva Convention and the role of the ICRC.** *International Committee of the Red Cross (ICRC)* [Online]. 4 May 2017. Available from: <https://www.icrc.org/en/document/second-geneva-convention-and-role-icrc> Despite these close ties, our survival on water depends on man-made objects such as ships, navigation systems and oxygen tanks.

**Arctic Council ministerial – View from Russia. By Ellis Quinn.** *Radio Canada International (RCI)* [Online]. 8 May 2017. Available from: <http://www.rcinet.ca/eye-on-the-arctic/2017/05/08/arctic-council-ministerial-view-from-russia/> Foreign ministers from all eight Arctic states: Canada, Finland, Denmark/Greenland, Iceland, Norway, Sweden, Russia and the United States are scheduled to attend the ministerial meeting where the accomplishments of the last two years will be announced and the forum's leadership is officially passed on.

**Indonesia Captures Maritime Grave Robbers.** *Maritime Executive* [Online]. 8 May 2017. Available from: <http://www.maritime-executive.com/article/indonesia-captures-maritime-grave-robbers> Somebody has been stealing warships from Southeast Asian waters – more specifically, sunken warships, which are prized for their scrap metal value.

**Scrapping the Le Touquet treaty will damage both sides - UK Chamber CEO.** *UK Chamber of Shipping* [Online]. 9 May 2017. Available from: <https://www.ukchamberofshipping.com/latest/scrapping-le-touquet-treaty-will-damage-both-sides-uk-chamber-ceo/> Responding to reports that ferry companies will be asked to assume responsibility for border controls at ferry ports if President-elect Macron cancels the Treaty of Le Touquet, Guy Platten, CEO of the UK Chamber of Shipping said: 'The Government knows that the policy of treating ferry operators as auxiliary immigration officers does not work'.

**Costa Concordia verdict due. By Catherine Hardy.** *Euronews* [Online]. 12 May 2017.

Available from: <http://www.euronews.com/2017/05/12/costa-concordia-verdict-due> 

Italy's highest court is due to give a verdict in the case of the captain of the *Costa Concordia* cruise ship that sank in 2012 with the loss of 32 lives.

**Tillerson gives nod at Arctic meet to climate change action. By Timothy Gardner.** *Reuters* [Online]. 12 May 2017. Available from: <http://uk.reuters.com/article/uk-arctic-summit-idUKKBN1870EH> 

U.S. Secretary of State Rex Tillerson signed an agreement recognising the landmark Paris climate accord at a meeting of Arctic nations in Alaska on Thursday, but said President Donald Trump was not rushing to decide whether to leave or weaken U.S. commitments to the pact.

**Fairbanks Declaration 2017: On the Occasion of the Tenth Ministerial Meeting of the Arctic Council.** *Arctic Council* [Online]. 11 May 2017. Available from:

<http://www.goo.gl/8u5www>  We, the Ministers representing the eight Arctic States, joined by representatives of the six Permanent Participant organizations, have gathered in Fairbanks, Alaska, at the conclusion of the second United States Chairmanship, at the Tenth Ministerial meeting of the Arctic Council.

**Crew members on Vancouver-docked cruise ship arrested for drugs.** *CTV News (Canada)* [Online]. 11 May 2017. Available from: <http://bc.ctvnews.ca/crew-members-on-vancouver-docked-cruise-ship-arrested-for-drugs-1.3410240> 

A Princess Cruise departure from downtown Vancouver was delayed for hours this week after police allegedly found several crew members with an undisclosed quantity of drugs, CTV News has learned.

**Bereaved families of 17 missing sailors of Stellar Daisy reach settlement with shipper.** *Yonhap News Agency (South Korea)* [Online]. 15 May 2017. Available from:

<http://english.yonhapnews.co.kr/news/2017/05/15/0200000000AEN20170515009900320.html>

The South Korean shipping company of an ill-fated cargo ship that sank in the South Atlantic has reached a compensation agreement with the bereaved families of most missing crew members following the end of an on-site search, officials said Monday.

**Costa Concordia captain's sentence upheld by Italy court.** *BBC News* [Online].

12 May 2017. Available from: <http://www.bbc.co.uk/news/world-europe-39903968> 

Italy's highest court has upheld the 16-year jail sentence given to the captain of the *Costa Concordia*, which capsized in 2012 killing 32 people.

**List of deliverables of Belt and Road forum.** *Xinhuanet (China)* [Online]. 15 May 2017.

Available from: [http://news.xinhuanet.com/english/2017-05/15/c\\_136286376.htm](http://news.xinhuanet.com/english/2017-05/15/c_136286376.htm) Following is the full text of the list of deliverables of the Belt and Road Forum for International Cooperation held on Sunday and Monday in Beijing.

**Code of conduct needed for ocean conservation, study says.** *Phys Org* [Online].

15 May 2017. Available from: <https://phys.org/news/2017-05-code-ocean.html> A code of conduct for marine conservation would help prevent human rights violations that might occur during conservation and promote fair, socially responsible decision-making when planning and carrying out actions to protect the ocean.

**Freedom of Navigation Extends to Foreign Warships. By Commander Sean Fahey, USCG.**

*Maritime Executive* [Online]. 15 May 2017. Available from: <http://maritime-executive.com/article/freedom-of-navigation-extends-to-foreign-warships> The past months have seen a significant increase in Russian military activity across Europe, including the Baltic Sea.



**Government of Canada introduces Oil Tanker Moratorium Act.** *Government of Canada* [Online]. 12 May 2017. Available from: [https://www.canada.ca/en/transport-canada/news/2017/05/government\\_of\\_canadaintroducesoiltankermoratoriumact.html](https://www.canada.ca/en/transport-canada/news/2017/05/government_of_canadaintroducesoiltankermoratoriumact.html)

The Government of Canada is working to ensure that goods are transported in a safe and responsible way while protecting our marine environment and clean water.

**Taking the blame.** By Michael Grey. *Seatrade Maritime News* [Online]. 16 May 2017. Available from: <http://www.seatrade-maritime.com/news/europe/taking-the-blame.html>

If you are a master mariner, it is difficult not to put yourself in the position of Captain Francesco Schettino, as his ship's systems died in front of his eyes following the contact with the rock off the Isle of Giglio on that fateful evening in January 2012.

**French-British task force deals another blow to terrorists with major drugs bust.**

*Royal Navy (UK)* [Online]. 15 May 2017. Available from: <http://www.royalnavy.mod.uk/news-and-latest-activity/news/2017/may/15/170515-task-force-in-major-drugs-bust> A French-British task force dealt a £75m blow to terrorists after scoring the second major drugs bust in a month.

**Unsafe at any draft - Part one.** By Andrew Craig-Bennett. *Splash 24/7* [Online].

18 May 2017. Available from: <http://splash247.com/unsafe-draft-part-one/> Captain Schettino of the *Costa Concordia* is off to jail to start his 16-year sentence for manslaughter.

**Unsafe at any draft - Part two.** By Andrew Craig-Bennett. *Splash 24/7* [Online].

19 May 2017. Available from: <http://splash247.com/unsafe-draft-part-two/> On March 31, in fine weather, with everything onboard as routine as could be, the *Stellar Daisy* began to list, listed badly, rolled over and sank in a few minutes, taking with her all but two of her crew of 24, and a lot of sintered iron ore fines loaded at Ilha Guaiaba in Brazil for carriage to China.

**Philippines seeks gentleman's agreement on sea code.** By Pia Lee-Brago. *Philippine Star* [Online]. 21 May 2017. Available from:

<http://www.philstar.com/headlines/2017/05/21/1701969/philippines-seeks-gentlemans-agreement-sea-code> With no legally binding mechanism to enforce any deal on the South China Sea dispute, China and the Association of Southeast Asian Nations (ASEAN) may, in the meantime, settle for a "gentleman's agreement" to prevent war or at least keep the situation in the region stable.

**Maritime cooperation, security initialed in Philippine-China meeting.** By Audrey Morallo.

*Philippine Star* [Online]. 20 May 2017. Available from:

<http://www.philstar.com/headlines/2017/05/20/1701774/maritime-cooperation-security-initialed-philippine-china-meeting> Philippine and Chinese delegations initialed the terms of reference (TOR) that would be a platform for confidence-building measures to promote maritime cooperation and security, a joint press release from a meeting meant to manage disputes in the South China Sea said on Friday.

**Joint Press Release for the First Meeting of the China-Philippines Bilateral Consultation Mechanism on the South China Sea.** *Ministry of Foreign Affairs of the People's Republic of China* [Online]. 19 May 2017. Available from:

[http://www.fmprc.gov.cn/mfa\\_eng/wjbxw/t1463538.shtml](http://www.fmprc.gov.cn/mfa_eng/wjbxw/t1463538.shtml) In the spirit of the friendly dialogue between Chinese President Xi Jinping and Philippine President Rodrigo Roa Duterte during the latter's State Visit to China in October 2016, and as agreed by both China and the Philippines, the First Meeting of China-Philippines Bilateral Consultation Mechanism on the South China Sea (BCM) was held in Guiyang, Guizhou Province, China on 19 May 2017.



**Rena wreck allowed to remain on reef off Tauranga.** *New Zealand Herald* [Online].

19 May 2017. Available from:

[http://www.nzherald.co.nz/nz/news/article.cfm?c\\_id=1&objectid=11858569](http://www.nzherald.co.nz/nz/news/article.cfm?c_id=1&objectid=11858569) Judge Jeff Smith ruled out removing the stern and mid sections of the container ship that ran aground in the middle of the night of October 5, 2011.

**MV Rena Decision.** *Environment Court of New Zealand* [Online]. 18 May 2017. Available from:

<https://www.environmentcourt.govt.nz/assets/Documents/Publications/2017-NZEnvC-073-Ngai-Te-Hapu-Incorporated-v-Bay-of-Plenty-Regional-Council.pdf> This appeal relates to the final resolution of issues relating to the *MV Rena*, a 235m container vessel that ran aground on Astrolabe/Otahi reef (Otahi) on 11 October 2011.

**Unwise to restrict foreign vessels in Malaysia's EEZ.** By Robert Beckman, Head, Ocean Law & Policy Programme, National University of Singapore (NUS). *New Straits Times Online (Malaysia)* [Online]. 23 May 2017. Available from:

<https://www.nst.com.my/opinion/columnists/2017/05/241775/unwise-restrict-foreign-vessels-malysias-eez> Kuala Lumpur deposited its instrument of ratification giving its official consent to be bound by the 1982 United Nations Convention on the Law of the Sea (UNCLOS).

**Owners of Lewis grounded oil rig pay £400,000 for MCA operation.** *Herald Scotland*

[Online]. 22 May 2017. Available from:

[http://www.heraldscotland.com/news/homenews/15301460.Owners\\_of\\_Lewis\\_grounding\\_oil\\_rig\\_pay\\_400\\_000\\_for\\_MCA\\_operation/](http://www.heraldscotland.com/news/homenews/15301460.Owners_of_Lewis_grounding_oil_rig_pay_400_000_for_MCA_operation/) The owners of an oil rig which grounded on the Western Isles have paid about £400,000 to the Maritime and Coastguard Agency (MCA).

**Costa Concordia captain's appeal rejected - Quo Vadis?** By Arne Sagen FNI, Accident Investigator, Skagerrak Foundation, Norway. *Lloyd's List* [Online]. 23 May 2017.

Available from: <https://www.lloydslist.com/ll/sector/ship-operations/article556338.ece>

On May 12 2017, the Italian supreme court turned down appeal of *Costa Concordia* captain Shettino, and upheld the previous 16-year sentence given to him.

**New fishing laws to tackle EU worries.** By Amornrat Mahitthirook. *Bangkok Post* [Online].

25 May 2017. Available from: <http://www.bangkokpost.com/news/general/1255814/new-fishing-laws-to-tackle-eu-worries> New legislation covering the nation's troubled fishing industry will be introduced amid hopes the European Union yellow flag warning against Thailand's exports will be lifted.

**Ukraine v The Russian Federation: First Procedural Meeting in Arbitration under Law of the Sea Convention.** *Permanent Court of Arbitration* [Online]. 22 May 2017. Available from:

<https://pca-cpa.org/wp-content/uploads/sites/175/2017/05/PCA-Press-release-First-Procedural-Meeting-in-Arbitration-under-Law-of-the-Sea-Convention.pdf> On 12 May 2017, the Tribunal in an arbitration instituted by Ukraine against the Russian Federation in respect of a "dispute concerning coastal state rights in the Black Sea, Sea of Azov, and Kerch Strait" held its first procedural meeting.

**Singapore Shipping Company Admits to Probation Violation.** *US Department of Justice*

[Online]. 22 May 2017. Available from: <https://www.justice.gov/usao-ct/pr/singapore-shipping-company-admits-probation-violation> On May 14, 2014, U.S. District Judge Vanessa L. Bryant in Hartford sentenced OAI to a three-year term of probation and a total criminal penalty of \$1.2 million dollars for violating the Act to Prevent Pollution from Ships ("APPS").

**U.S. warship drill meant to defy China's claim over artificial island: officials.**

**By Idrees Ali and David Brunnstrom.** *Reuters* [Online]. 26 May 2017. Available from:

<http://www.reuters.com/article/us-usa-southchinasea-navy-idUSKBN18K353> 🇺🇸 A U.S. warship carried out a "maneuvering drill" when it sailed within 12 nautical miles of an artificial island built up by China in the South China Sea, to show Beijing it was not entitled to a territorial sea around it, U.S. officials said on Thursday.

**Parties to FAO's treaty tackling illegal fishing meet in Oslo.**

*Food and Agriculture Organization (FAO)* [Online]. 29 May 2017. Available from:

<http://www.fao.org/news/story/en/item/889573/icode/> The first Meeting of the Parties to FAO's bold new international treaty aimed at cracking down on illicit fishing opened today in Oslo, as delegates began hammering out ways to make the agreement a success.

**The battle against illegal fishing in West Africa. By Kyle G. Brown.** *France 24* [Online].

26 May 2017. Available from: <http://www.france24.com/en/20170526-focus-west-africa-illegal-fishing-senegal-industrial-vessels-greenpeace-esperanza> 🇺🇸 The oceans off West Africa are teeming with life.

**Fullers pays \$130,000 after collision with wharf.** *Maritime New Zealand* [Online].

29 May 2017. Available from: <http://www.maritimenz.govt.nz/public/news/media-releases-2017/20170529a.asp> Auckland ferry company, Fullers Group, has been fined \$40,000 and ordered to pay reparations of \$90,000 after passengers were injured when the Auckland ferry Kea collided with Victoria wharf at Devonport on 17 February 2015.

**How African countries can harness the huge potential of their oceans. By Professor Francois Vreÿ, Stellenbosch University.** *The Conversation* [Online]. 28 May 2017.

Available from: <http://theconversation.com/how-african-countries-can-harness-the-huge-potential-of-their-oceans-77889> Over the past decade there's been a steady rise across Africa in the attention given to the responsible use of the oceans to contribute to economic growth – or what's known as the Blue Economy.

**Danish EPA "Comes Down Hard" on Bunker Sulfur Reg Violators.** *Ship & Bunker* [Online].

26 May 2017. Available from: <https://shipandbunker.com/news/emea/258536-danish-epa-comes-down-hard-on-bunker-sulfur-reg-violators> The Danish Environmental Protection Agency (EPA) says it has "come down hard" on sulfur polluters at sea, issuing the first such fines to two shipping companies found to have failed to comply with sulfur regulations on bunkers.

**Maritime adjudication in Ghana given higher impetus.** *News Ghana* [Online]. 25 May 2017.

Available from: <https://www.newsghana.com.gh/maritime-adjudication-in-ghana-given-higher-impetus/> Judges of the Superior Courts and legal practitioners' efforts to give fair judgement in maritime cases has been given higher impetus with the launch of "The Admiral".

## MARINE TECHNOLOGY

**Wärtsilä 34DF engines awarded EPA Tier III emissions compliance certification.** *Wärtsilä Corporation* [Online]. 3 May 2017. Available from: <http://www.wartsila.com/media/news/03-05-2017-wartsila-34df-engines-awarded-epa-tier-iii-emissions-compliance-certification>

The technology group Wärtsilä has been awarded model year 2017 certification of emissions compliance from the United States Environmental Protection Agency (EPA) for its Wärtsilä 34DF dual-fuel engine family.

**Black boxes and drones – DTU students get creative on sulphur detection.**

*Danish Maritime Authority* [Online]. 4 May 2017. Available from:

<http://www.dma.dk/Presse/Nyheder/Sider/Black-boxes-and-drones-%E2%80%93-DTU-students-get-creative-on-sulphur-detection.aspx>

Ideas developed under the SOx Challenge – a student competition on how to detect if ships comply with the international regulation of sulphur emissions.

**Ships Measuring Each Other's SOx Emissions?** *Maritime Executive* [Online]. 4 May 2017.

Available from: <http://www.maritime-executive.com/article/ships-measuring-each-others-sox-emissions>

On Wednesday evening, six teams of engineering students presented their emission control ideas to a panel of judges from industry and the public sector in Denmark, with the winning presentation proposing ships check the emissions of other ships passing by.

**Maritime Alternatives for Drought and Power Outages.** By Harry Valentine.

*Maritime Executive* [Online]. 6 May 2017. Available from: <http://www.maritime-executive.com/editorials/maritime-alternatives-for-drought-and-power-outages>

A drama is presently unfolding in the coastal city of Cape Town, South Africa, and maritime technology could offer a solution here and in other cities around the world.

**New software significantly restricts air pollution from ships.** By Anne Kirsten

*Frederiksen. Technical University of Denmark (DTU)* [Online]. 4 May 2017. Available from:

<http://www.dtu.dk/english/News/Nyhed?id=5a3d9822-0609-4173-844f-e048234a259c>

In cooperation with MAN Diesel & Turbo, a young DTU researcher develops new software that makes it possible to limit emissions of NOx particles and black smoke.

**A new global network for efficiency in shipping.** By Eva Grey. *Ship-Technology.Com*

[Online]. 9 May 2017. Available from: <http://www.ship-technology.com/features/featurea-new-global-network-for-efficiency-in-shipping-5805853/>

Developing countries are increasingly seen as key players in the fight against climate change.

**YARA and KONGSBERG enter into partnership to build world's first autonomous and zero emissions ship.** *Kongsberg Maritime* [Online]. 9 May 2017. Available from:

<https://www.km.kongsberg.com/ks/web/nokbg0238.nsf/AllWeb/98A8C576AEFC85AFC125811A0037F6C4?OpenDocument>

The vessel "YARA Birkeland" will be the world's first fully electric and autonomous container ship, with zero emissions.

**Low Carbon Pathways: The 2020 challenge and alternative fuels.** By Panayiotis Mitrou, Marine & Offshore Technology & Innovation Manager, Lloyd's Register.

*Green4Sea* [Online]. 9 May 2017. Available from: <http://www.green4sea.com/low-carbon-pathways-2020-challenge-alternative-fuels/>

Mr. Mitrou noted that if shipping has a higher cost of decarbonisation than other sectors of the economy, it may be possible to offset some of shipping's CO2 emissions by purchasing offsets from other sectors.

**Hyundai Heavy Industries Teams up with Bahri to Develop Smart Ship Technology.**

*Hyundai Heavy Industries Co.Ltd.* [Online]. 8 May 2017. Available from: <http://english.hhi.co.kr/news/view?idx=620> Hyundai Heavy Industries (HHI), the world's largest shipbuilder, announced today that it signed a memorandum of understanding (MOU) on establishing a partnership in the smart ship sector with the National Shipping Company of Saudi Arabia (Bahri).

**WinGD opens new virtual reality engine room facilities.** *Winterthur Gas & Diesel Ltd*

(WinGD) [Online]. 10 May 2017. Available from: <https://www.wingd.com/en/media/press-releases/wingd-opens-new-virtual-reality-engine-room-facilities/> Winterthur Gas & Diesel (WinGD) has inaugurated a new installation of its sophisticated W-Xpert Full Mission Simulator (FMS) for training complete engine room crews at the Marine Power Academy Training Centre of Hudong Heavy Machinery Co., Ltd. (HHM), in Shanghai, China.

**Tenders for analysis of barriers to autonomous ships.** *Danish Maritime Authority* [Online].

16 May 2017. Available from: <http://www.dma.dk/Presse/Nyheder/Sider/Tenders-for-analysis-of-barriers-to-autonomous-ships.aspx> The Danish Maritime Authority is striving to promote the development of technologies for autonomous ships.

**Blockchain technology paves the way for digitalisation.** *Danish Maritime Authority* [Online].

22 May 2017. Available from: <http://www.dma.dk/Presse/Nyheder/Sider/Blockchain-technology-paves-the-way-for-digitalisation.aspx> When they want to register ships today, shipowners are still required to fill in and handle documents manually.

**Forward Thinking: Intellian's Paul Comyns.** *By Martyn Wingrove.*

*Marine Electronics and Communications* [Online]. 19 May 2017. Available from: [http://www.marinemec.com/news/view,forward-thinking-intellians-paul-comyns\\_47750.htm](http://www.marinemec.com/news/view,forward-thinking-intellians-paul-comyns_47750.htm) Intellian Technologies vice president of global marketing Paul Comyns thinks ships will be sending over much more data as they become part of smart supply chains.

**Q&A: 3D Planning the World's Biggest Ship.** *Port Technology International* [Online].

24 May 2017. Available from: [https://www.porttechnology.org/news/ga\\_3d\\_planning\\_the\\_worlds\\_biggest\\_ship](https://www.porttechnology.org/news/ga_3d_planning_the_worlds_biggest_ship) PTI spoke to Mattias Stenberg, the software development and services company's Process, Power & Marine's President, to learn more about the technology that was behind the construction of the shipping leviathan.

**MOL Launches R & D on Autonomous Ocean Transport System - Selected for Japanese Government Transportation Research Program.** *Mitsui O. S. K. Lines Ltd.(MOL)* [Online].

26 May 2017. Available from: <http://www.mol.co.jp/en/pr/2017/17031.html> Mitsui O.S.K. Lines, Ltd. (MOL; President & CEO: Junichiro Ikeda) today announced that its joint project with Mitsui Engineering & Shipbuilding Co., Ltd. on developing a technological concept for autonomous ocean transport system, was selected by Japan's Ministry of Land, Infrastructure, Transportation and Tourism (MLIT) for its FY2017 Transportation Research and Technology Promotion Program (Note) on May 16, 2017.

## MARITIME SAFETY

**Routing for whales.** By Natasha Brown, Media and Communications Officer, International Maritime Organization (IMO). *Splash 24/7* [Online]. 2 May 2017. Available from: <http://splash247.com/routing-for-whales/> In a whale versus ship scenario, the whale would undoubtedly come off worst.

**Denmark and Germany make passenger transport on the Flensburg Fjord possible.**

*Danish Maritime Authority* [Online]. 28 April 2017. Available from:

<http://www.dma.dk/Presse/Nyheder/Sider/Denmark-and-Germany-make-passenger-transport-on-the-Flensburg-Fjord-possible.aspx> Today, the Danish Maritime Authority (DMA) and the Federal Ministry of Transport and Digital Infrastructure (BMVI) signed a common agreement on safety standards for the carriage of passengers in the Flensburg Fjord.

**Remotely Piloted Aircraft Systems tested in real time for multipurpose missions.**

*European Maritime Safety Agency (EMSA)* [Online]. 11 May 2017. Available from:

<http://www.emsa.europa.eu/news-a-press-centre/external-news/download/4693/3014/23.html> 

The European Maritime Safety Agency was tasked to carry out this demonstration in cooperation with the European Border and Coast Guard Agency (Frontex) and the European Fisheries Control Agency (EFCA) as part of the European Coast Guard Pilot Project initiated by the European Parliament to stimulate the implementation of the adopted coast guard package.

**Hapag-Lloyd Awarded 2017 "Gefahr/gut" Innovation Prize.** *Hapag-Lloyd* [Online].

23 May 2017. Available from: <https://www.hapag-lloyd.com/en/press/releases/2017/05/hapag-lloyd-awarded-2017-gefahr-gut-innovation-prize.html> The program, which was developed by Hapag-Lloyd, automatically identifies the suspicious bookings.

**Safety alert 05-17 – Dangerous modifications found within a gas valve unit room.**

By Amy Midgett. *US Coast Guard Maritime Commons* [Online]. 22 May 2017. Available from:

<http://mariners.coastguard.dodlive.mil/2017/05/22/5222017-safety-alert-05-17-dangerous-modifications-found-within-a-gas-valve-unit-room/> The Office of Investigations & Casualty Analysis issued Safety Alert 05-17 to warn of a potentially dangerous situation involving modifications within gas valve unit room aboard Liquefied Natural Gas carriers.

**Stellar Daisy: We are back to square one.** By Captain Manjit Handa. *Splash 24/7* [Online].

25 May 2017. Available from: <http://splash247.com/stellar-daisy-back-square-one/> The loss of the VLOC *Stellar Daisy* at sea has brought home a feeling that as far as bulk carrier safety is concerned, we are back to square one.

**New WWF guide helps ships avoid vulnerable Arctic species.** *WWF Canada* [Online].

25 May 2017. Available from: <http://www.wwf.ca/newsroom/?25003/New-WWF-guide-helps-ships-avoid-vulnerable-Arctic-species> A new WWF-Canada guide designed to help mariners in the Hudson Strait identify and avoid marine mammals is being unveiled at a Canadian Coast Guard and Transport Canada meeting in Montreal today.

[Marine Mammals of Hudson Strait](#) 



## MARITIME SECURITY

**Maritime Security in the 'Afro-Asian' Ocean.** *The Nation (Pakistan)* [Online]. 1 May 2017. Available from: <http://nation.com.pk/columns/01-May-2017/maritime-security-in-the-afro-asian-ocean> The seas have always been gateways to the prosperity and survival of States, facilitating the vast majority of global trade and communications; consequently, maritime security has been of vital importance for the national interests of states.

**Cyber security is everybody's responsibility: New poster for ships launched in Singapore.** By Leslea Petersen. *Baltic and International Maritime Council (BIMCO)* [Online]. 4 May 2017. Available from: [https://www.bimco.org/news/press-releases/20170503\\_cyber-poster](https://www.bimco.org/news/press-releases/20170503_cyber-poster) The poster provides basic information to shipboard personnel on their role and contribution to managing maritime cyber risks. [Poster](#) 

**Denmark deploys Challenger jet to support maritime security at the Horn of Africa and the monitoring of EU's outer borders.** *Government of Denmark* [Online]. 5 May 2017. Available from: <http://um.dk/en/news/NewsDisplayPage/?newsID=231B9E93-6861-403B-8508-9B40D729B98F> After taking advice from The Foreign Policy Committee, the Government today decided to deploy a detachment consisting of a Challenger airplane to support the monitoring of shipping traffic in the Indian Ocean.

**Cybercrime on the high seas: the new threat facing billionaire superyacht owners.** By Rupert Neate. *The Guardian* [Online]. 5 May 2017. Available from: <https://www.theguardian.com/world/2017/may/05/cybercrime-billionaires-superyacht-owners-hacking> Within a few hours of mooring up and opening his laptop, Campbell Murray had taken complete control of a nearby multimillion-dollar superyacht.

**Collaboration emphasized at first workshop on maritime security held at Stellenbosch.** *Stellenbosch University (South Africa)* [Online]. 8 May 2017. Available from: <http://www.sun.ac.za/english/Lists/news/DispForm.aspx?ID=4859> The Security Institute for Governance and Leadership in Africa (SIGLA) at Stellenbosch University (SU) in partnership with the U.S. Embassy's Defense Threat Reduction Agency (DTRA) and Naval Criminal Investigative Service (NCIS) presented the First International Workshop on Combating Maritime Threats off Africa in a planned biennial series on addressing transnational security issues in Stellenbosch last week.

**Somalia, EU mull ways of enhancing maritime security.** *Xinhuanet (China)* [Online]. 9 May 2017. Available from: [http://news.xinhuanet.com/english/2017-05/09/c\\_136269238.htm](http://news.xinhuanet.com/english/2017-05/09/c_136269238.htm) The Somali government and the European Union (EU) have held talks on strengthening the Horn of Africa nation's maritime security to help deter piracy along the coastline.

**Saudi Forces Find More Naval Mines Off Yemen.** *Maritime Executive* [Online]. 9 May 2017. Available from: <http://www.maritime-executive.com/article/saudi-forces-find-more-naval-mines-off-yemen> On Monday, the Royal Saudi Navy announced that its forces have located more floating mines off the coast of Yemen, likely placed by Houthi rebel militias.

**MARITIME SECURITY: Fast Intervention Vessels, Helicopters will Help – NIMASA**

**...Dakuku Debunks Reports on Piracy. By Isichei Osangbi.** *Nigerian Maritime Administration and Safety Agency (NIMASA)* [Online]. 18 May 2017. Available from: <http://www.nimasa.gov.ng/press-center/post/maritime-security-fast-intervention-vessels-helicopters-will-help-nimasa-dakuku-debunks-reports-on-piracy> The Director General of the Nigerian Maritime Administration and Safety Agency (NIMASA) Dr. Dakuku Peterside has again assured Nigerians and the international maritime community that the Federal Government is leaving no stone unturned in tackling the menace of piracy and other illicit crimes on the nation's territorial waterways.

**The Promise and the Challenge of Maritime's Cyber Future.** *Maritime Reporter and Engineering News* [Online]. May 2017. Available from:

<http://digitalmagazines.marinelink.com/nwm/MaritimeReporter/201705/html5forpc.html> (e-magazine)

**Merchant ships' involvement in migrants' search and rescue operations growing again.**

*European Community Shipowners' Associations* [Online]. 24 May 2017. Available from: <http://www.ecsa.eu/9-latest-news/309-merchant-ships-involvement-in-migrants-search-and-rescue-operations-growing-again> ECSA's Maritime Security Working Group recently had an exchange of views with the European Border and Coast Guard Agency in Warsaw on maritime security issues.

**Seafarers Tackling Maritime Cyber Security Threats. By Steven Jones.**

*International Seafarers' Welfare and Assistance Network (ISWAN)* [Online]. 24 May 2017. Available from: <http://seafarerswelfare.org/news-and-media/latest-news/seafarers-tackling-maritime-cyber-security-threats> As vessels increasingly rely on automation and remote monitoring, key components, including navigational systems, propulsion and power management, can be compromised.

**UK port security unchanged despite Manchester terror bomb. By David Osler.** *Lloyd's List*

[Online]. 24 May 2017. Available from: <https://www.lloydslist.com/ll/sector/ports-and-logistics/article556598.ece> Security measures at UK ports remain unchanged at the lowest possible setting, despite the government's latest decision to raise the terror threat assessment nationwide to 'critical' in the wake of Monday's suicide bomb atrocity in Manchester.

**Canada extends maritime security mission in Middle East to 2021. By Marc-André**

**Cossette.** *Canadian Broadcasting Corporation (CBC)* [Online]. 29 May 2017. Available from: <http://www.cbc.ca/news/politics/sajjan-iraq-isis-cp-140-1.4129219> Canada is extending its commitment to an international maritime security mission in the waters off the Middle East for another four years, Defence Minister Harjit Sajjan announced today.

**Philippines Terror Attack Threatens ASEAN Maritime Security. By Noel Tarrazona.**

*Maritime Executive* [Online]. 29 May 2017. Available from: <http://maritime-executive.com/editorials/philippines-terror-attack-threatens-asean-maritime-security> The unprecedented attack of the ISIS-backed militant group Maute Group in Marawi City in Mindanao, the Philippines, could mark the beginning of a new threat to Southeast Asian maritime security.

## MARITIME TRAINING

### **Group condemns Sarumi Panel's report on Maritime Academy. By Oluwakemi Dauda.**

*The Nation (Nigeria)* [Online]. 2 May 2017. Available from: <http://thenationonline.ng.net/group-condemns-sarumi-panels-report-maritime-academy/> A group, the Niger Delta Development Initiative (NDDI), has condemned the report of the Committee on the restructuring of the Maritime Academy of Nigeria (MAN) in Oron, Akwa Ibom State. The reports, NDDI said, was in bad faith.

### **Dubai Maritime City Authority collaborates with Maersk to explore partnership, knowledge & innovation opportunities. Government of Dubai**

[Online]. 3 May 2017. Available from: <http://www.goo.gl/F4obXL> A delegation headed by Amer Ali, Executive Director, Dubai Maritime City Authority (DMCA), recently visited the Maersk Maritime Training Center, the first-of-its-kind center in the Middle East, in line with the Authority's ongoing commitment to promote real partnership with maritime leaders in Dubai.

### **Mercmarine Training awards scholarships to female merchant Navy cadets. Daily Mirror (Sri Lanka)**

[Online]. 5 May 2017. Available from: <http://www.dailymirror.lk/article/Mercmarine-Training-awards-scholarships-to-female-merchant-Navy-cadets-128378.html> Mercmarine Training, Sri Lanka's foremost merchant seamen training institute, presented scholarships worth Rs. 2 million to two female cadet applicants, Koshila Herath and Sonali Jayarathne, at an event held in Colombo recently.

### **Towards an Emirates Marine Environment Protection Association. By Bob Jaques.**

*Seatrade Maritime News* [Online]. 5 May 2017. Available from: <http://www.goo.gl/GaOg8X> The Hellenic Marine Environment Protection Association (HELMEPA) has signed a Memorandum of Understanding with a visiting delegation from the Dubai Council for Marine and Maritime Industries (DcmmiEmirates) on cooperation towards founding a non-profit marine conversation body equivalent to HELMEPA in the United Arab Emirates.

### **SPECIAL REPORT: Training, Education and Career Development. By David Sexton.**

*Lloyd's List Australia* [Online]. 12 May 2017. Available from: <https://www.lloydslistaustalia.com.au/lla/market-sectors/staffing-crewing-and-training/SPECIAL-REPORT-Training-Education-and-Career-Development-555628.html> The Great Barrier Reef International Marine College seafarers (GBRIMC) accepted its first students six years ago in 2011.

### **China Endorses CMU Degree Programmes. The Gleaner (Jamaica)**

[Online]. 29 May 2017. Available from: <http://jamaica-gleaner.com/article/news/20170529/china-endorses-cmu-degree-programmes> Minister of Education, Youth and Information, Ruel Reid has welcomed the government of China's endorsement of the degree and diploma programmes offered by the Caribbean Maritime University (CMU).

## MIGRANTS

**Film on Libyan Human Rights Abuses Released.** *Maritime Executive* [Online]. 2 May 2017. Available from: <http://www.maritime-executive.com/editorials/film-on-libyan-human-rights-abuses-released> 🗞️ A hard-hitting film based on testimonies from migrants about their experiences in Libyan detention centers has now been released.

**6,000 migrants rescued in Mediterranean in two days.** *The Local (Italy)* [Online]. 7 May 2017. Available from: <https://www.thelocal.it/20170507/6000-migrants-rescued-in-mediterranean-in-two-days> Some 6,000 migrants hoping to head to Europe were rescued in the Mediterranean on Friday and Saturday in dozens of frantic operations coordinated by the Italian coastguard.

**Mediterranean Migrant Arrivals: 44,209; Deaths: 1,096.** *International Organization for Migration (IOM)* [Online]. 5 May 2017. Available from: <http://www.iom.int/news/mediterranean-migrant-arrivals-44209-deaths-1096> IOM, the UN Migration Agency reports that 44,209 migrants and refugees entered Europe by sea in 2017 through 3 May, with the vast majority arriving in Italy and the rest in Greece, Cyprus and Spain.

**Mediterranean Migrant Arrivals Approach 50,000 in 2017; Deaths: 1,309.** *International Organization for Migration (IOM)* [Online]. 9 May 2017. Available from: <https://www.iom.int/news/mediterranean-migrant-arrivals-approach-50000-2017-deaths-1309> IOM, the UN Migration Agency reports that 49,310 migrants and refugees entered Europe by sea in 2017 through 7 May, with the vast majority arriving in Italy and the rest in Greece, Cyprus and Spain.

**Mediterranean Migrant Arrivals Reach 53,386 in 2017; Deaths: 1,309.** *International Organization for Migration (IOM)* [Online]. 12 May 2017. Available from: <https://www.iom.int/news/mediterranean-migrant-arrivals-reach-53386-2017-deaths-1309> IOM, the UN Migration Agency reports that 53,386 migrants and refugees entered Europe by sea in 2017 through 10 May, with nearly 85 percent arriving in Italy and the remainder divided between Greece, Cyprus and Spain.

**Aid workers 'lucky to be alive' after Libyan coastguard intercepts refugee boat rescue in Mediterranean.** By Lizzie Dearden. *The Independent* [Online]. 11 May 2017. Available from: <http://www.independent.co.uk/news/world/europe/refugee-crisis-libya-migrants-boat-crossings-intercept-sea-watch-lucky-to-be-alive-coastguard-a7731176.html> 🗞️ Volunteers say they are "lucky to be alive" after the Libyan coastguard cut across their ship to prevent them rescuing refugees in the Mediterranean amid record deaths at sea.

**Ferry service or humanitarian rescue boat: EU's Mediterranean dilemma.** By Gabriela Baczynska. *Reuters* [Online]. 12 May 2017. Available from: <http://uk.reuters.com/article/uk-europe-migrants-eu-libya-idUKKBN1881CQ> This debate among EU officials about the role of aid groups in the Mediterranean highlights their dilemma between the moral and legal obligation of helping those in need, and growing pressure from voters to keep them away.

**Rescue At Sea: The Inside Story Of A High Stakes Transfer.** By Daniel Stewart, Humanitarian Information and Communications Manager, Save the Children. *Huffington Post* [Online]. 15 May 2017. Available from: [http://www.huffingtonpost.co.uk/daniel-stewart/rescue-refugees-sea\\_b\\_16577260.html](http://www.huffingtonpost.co.uk/daniel-stewart/rescue-refugees-sea_b_16577260.html) For 48 hours, bad weather in the Mediterranean has been making rescue operations incredibly difficult.

**Mediterranean Migrant Arrivals Reach 53,912 in 2017; Deaths: 1,316.**

*International Organization for Migration (IOM)* [Online]. 16 May 2017. Available from:

<http://www.iom.int/news/mediterranean-migrant-arrivals-reach-53912-2017-deaths-1316>

IOM, the UN Migration Agency, reports that 53,912 migrants and refugees entered Europe by sea in 2017 through 14 May, with nearly 85 per cent arriving in Italy and the remainder divided between Greece, Cyprus and Spain.

**In busy day for rescues at sea, migrants cheer when told 'Libya is over'.**

**By Steve Scherer.** *Reuters* [Online]. 18 May 2017. Available from:

<http://uk.reuters.com/article/uk-europe-migrants-rescue-idUKKCN18E2NK?il=0>

Rescues began at dawn on Thursday and by the end of the day some 2,300 migrants had been pulled off 22 wooden and rubber boats in the Mediterranean, with many rejoicing when rescuers told them that their long journey to Europe was almost over.

**Dozens drown off Libya as aid groups denounce Tripoli's coastguard. By Steve Scherer.**

*Reuters* [Online]. 24 May 2017. Available from: <http://www.reuters.com/article/us-europe-migrants-rescue-casualties-idUSKBN18K19H>

At least 34 migrants, most of them toddlers, drowned on Wednesday, as coastguard boats and other vessels tried to save hundreds of others packed into boats off the coast of Libya, rescuers said.

**Aid groups rescue over 1,600 migrants in the Mediterranean in one day. By Alex Leff.**

*Public Radio International (PRI)* [Online]. 23 May 2017. Available from:

<https://www.pri.org/stories/2017-05-23/aid-groups-rescue-over-1550-migrants-mediterranean-one-day>

More than 50,000 migrants have tried to cross the Mediterranean to Europe this year.

**MSF accuses Libyan coastguard of endangering people's lives during Mediterranean rescue.** *Médecins Sans Frontières (MSF)* [Online]. 24 May 2017. Available from:

<http://www.msf.org/en/article/msf-accuses-libyan-coastguard-endangering-people%E2%80%99s-lives-during-mediterranean-rescue>

During a rescue in the Mediterranean Sea on 23 May, the Libyan coastguard approached boats in distress, intimidated the passengers and then fired gunshots into the air, threatening people's lives and creating mayhem, according to aid organisations Médecins Sans Frontières and SOS Méditerranée, whose teams witnessed the violent incident.

**Mediterranean Migrant Arrivals Reach 60,521 in 2017; Deaths: 1,530.**

*International Organization for Migration (IOM)* [Online]. 26 May 2017. Available from:

<http://www.iom.int/news/mediterranean-migrant-arrivals-reach-60521-2017-deaths-1530>

IOM, the UN Migration Agency, reports that 60,521 migrants and refugees entered Europe by sea in 2017 through 24 May, with over 80 per cent arriving in Italy and the remainder divided between Greece, Cyprus and Spain.

**Mediterranean Migrant Arrivals Reach 69,574 in 2017; Deaths: 1,569.**

*International Organization for Migration (IOM)* [Online]. 30 May 2017. Available from:

<https://www.iom.int/news/mediterranean-migrant-arrivals-reach-69574-2017-deaths-1569>

IOM, the UN Migration Agency, reports that 69,574 migrants and refugees entered Europe by sea in 2017 through 28 May, with over 80 per cent arriving in Italy and the remainder arriving in Greece, Cyprus and Spain.



## NAVIGATION AND COMMUNICATIONS

**Fleet Xpress exceeds 10,000 ship milestone at first anniversary.** *Inmarsat* [Online].

4 May 2017. Available from: <http://www.inmarsat.com/news/fleet-xpress-exceeds-10000-ship-milestone-first-anniversary/> Fleet Xpress, the ground-breaking service from Inmarsat, has secured commitments covering in excess of 10,000 ships within 12 months of launch.

**Attention deficit.** By Michael Grey. *Lloyd's List* [Online]. 5 May 2017. Available from:

<https://www.lloydslist.com/ll/sector/ship-operations/article555162.ece> Two swallows don't make a summer, nor two significant casualties to large and well equipped ships a trend, but the "flatlining" of accidents attributed to something going wrong with navigation is something that needs attention.

**Dynamic positioning technology advances.** By Paul Fanning.

*Marine Propulsion & Auxiliary Machinery* [Online]. 9 May 2017. Available from:

[http://www.mpropulsion.com/news/view,dynamic-positioning-technology-advances\\_47622.htm](http://www.mpropulsion.com/news/view,dynamic-positioning-technology-advances_47622.htm) Dynamic Positioning (DP) system design and operation, and operator training issues were discussed at Riviera Maritime Media's European Dynamic Positioning Conference in London in February.

**Latest PLA safety campaign targets human error.** *Port of London Authority (PLA)* [Online].

9 May 2017. Available from: <http://www.pla.co.uk/Safety-Campaign> The PLA decided to target human error after analysis of incident data showed that it was the leading cause of navigational incidents on the tidal Thames in the last two years.

**Digitalisation in container shipping may not be the carriers' doing.** By Kris Kosmala.

*Splash 24/7* [Online]. 11 May 2017. Available from: <http://splash247.com/digitalisation-container-shipping-may-not-carriers/> Much ink has been spilled on the subject of Maersk and Alibaba striking a deal allowing Maersk's booking process to be accessed on the Alibaba's e-commerce platform.

**Nautilus study reveals onboard connectivity a key attraction for crew.**

*Nautilus International* [Online]. 10 May 2017. Available from: <https://nautilusint.org/en/what-we-say/nautilus-news/nautilus-research-into-onboard-connectivity/> Almost two-thirds of Nautilus members would consider moving to a shipping company which offers better onboard connectivity, research conducted by the Union has revealed.

**Inmarsat confirms successful launch of fourth Global Xpress satellite.** *Inmarsat* [Online].

16 May 2017. Available from: <http://www.inmarsat.com/news/inmarsat-confirms-successful-launch-fourth-global-xpress-satellite/> Inmarsat GX is the world's first globally available, broadband connectivity service and was created to enable communities across the world to benefit from the emerging digital society.

## PIRACY

**OBP Presents State of Maritime Piracy 2016.** *Oceans Beyond Piracy* [Online]. 3 May 2017.

Available from: <http://oceansbeyondpiracy.org/obp-presents-state-maritime-piracy-2016>

The report will cover 1) counter-piracy trends and evolving threats in the Western Indian Ocean, 2) global developments involving kidnap for ransom models of piracy, and 3) a sub-regional breakdown of maritime security threats in Asia. [Executive Summary and Reports](#)

**Maritime piracy report sees first Somali hijackings after five-year lull.**

*International Chamber of Commerce (ICC)* [Online]. 4 May 2017. Available from: <https://icc-ccs.org/index.php/news/1229-maritime-piracy-report-sees-first-somali-hijackings-after-five-year-lull> Pirates and armed robbers attacked 43 ships and captured 58 seafarers in the first quarter of 2017, slightly more than the same period last year, according to the latest ICC International Maritime Bureau (IMB) piracy report.

**Maritime security: FG approves \$186m to combat piracy. By Tola Adenubi.**

*Nigerian Tribune* [Online]. 4 May 2017. Available from: <http://tribuneonlineng.com/maritime-security-fg-approves-186m-combat-piracy/> The Federal Government has approved \$186 million as part of efforts to combat piracy in Nigerian waters.

**Chinese hand three pirates to Puntland authorities. By Sam Chambers.** *Splash 24/7*

[Online]. 7 May 2017. Available from: <http://splash247.com/chinese-hand-three-pirates-puntland-authorities/> Three suspected Somali pirates taken by the Chinese navy during an aborted hijacking attempt of a bulker, OS 35, last month have been handed over to authorities in Puntland.

**Merchant ship fired upon by skiffs off Iran. By Anastassios Adamopoulos.** *Lloyd's List*

[Online]. 8 May 2017. Available from: <https://www.lloydslist.com/ll/sector/ship-operations/article555320.ece> A merchant vessel was attacked on Sunday off the southern coast of Iran in the Gulf of Oman and another vessel reported a suspicious approach on Monday, UK Maritime Trade Operations reported.

**40th SHADE Conference Held in Bahrain with the Need for Vigilance off Coast of Somalia Reinforced.** *EU NAVFOR Somalia* [Online]. 10 May 2017. Available from:

<http://eunavfor.eu/40th-shade-conference-held-in-bahrain-with-the-need-for-vigilance-off-coast-of-somalia-reinforced/> The SHADE initiative began in 2008 as a way of coordinating activities with regards to counter-piracy operations and self-protection measures in the Gulf of Aden and Indian Ocean.

**European Union Ambassador to Somalia Hosts Somali Prime Minister On Board EU NAVFOR Flagship off Coast of Mogadishu to Discuss Development in Somalia and EU's Continuing Efforts to Help Keep Seafarers Safe from Piracy.** *EU NAVFOR Somalia*

[Online]. 9 May 2017. Available from: <http://www.goo.gl/s6FGqU> On Monday 8 May 2017 the European Union's Ambassador to Somalia, Ms Veronique Lorenzo, hosted the Somali Prime Minister, H.E. Hasan Ali Khairi and State Minister, Abdullahi Hamud, on board EU NAVFOR's Spanish flagship, ESPS Galicia.

**Yemen war adds to rising fears for ships in Horn of Africa. By Jonathan Saul.** *Reuters*

[Online]. 9 May 2017. Available from: <http://www.reuters.com/article/us-yemen-shipping-somalia-idUSKBN1851L3> Yemen's worsening conflict is contributing to a spike in piracy in the region, with Somali pirates taking advantage of a reduced international naval presence and more readily available weaponry to carry out attacks.

**Piracy on the rise again, says security specialist MAST. By Bob Jaques.**

*Seatrade Maritime News* [Online]. 9 May 2017. Available from: <http://www.seatrade-maritime.com/news/middle-east-africa/piracy-on-the-rise-again-says-security-specialist-mast.html> A rising incidence of maritime crime with 48 criminal incidents reported in just the first quarter "poses real danger to the maritime industry," warns UK-based maritime security specialist MAST (Maritime Asset Security & Training).

**Bulker attack thwarted off Iran. By Gary Dixon. TradeWinds** [Online]. 12 May 2017.

Available from: <http://www.tradewindsnews.com/drycargo/1259137/bulker-attack-thwarted-off-iran> The incident happened on 7 May, 12 nautical miles south-west of Bandar-e-Jask, the IMB's piracy reporting centre said.

**Is Africa facing a new wave of piracy? By Tomi Oladipo. BBC News** [Online]. 15 May 2017.

Available from: <http://www.bbc.co.uk/news/world-africa-39849352> The recent hijacking of a ship by Somali pirates was the first such incident off the Horn of Africa since 2012, and more ships are being targeted off West Africa.

**Indian Navy foils piracy attempt, rescues Liberian ship in the Gulf of Aden.**

**By Jayanta Guptal. Times of India** [Online]. 17 May 2017. Available from: <http://timesofindia.indiatimes.com/city/kolkata/indian-navy-foils-piracy-attempt-rescues-liberian-ship-in-the-gulf-of-aden/articleshow/58718921.cms> 📰 The Indian Navy has thwarted a piracy attempt on the 17,025-tonne bulk-carrier *MV Lord Mountbatten* in the Gulf of Aden.

**Keeping Children Out of Piracy. Maritime Executive** [Online]. 18 May 2017. Available from:

<http://maritime-executive.com/features/keeping-children-out-of-piracy> A first step has been taken to raise awareness of the horrific abuse of children in piracy with the release of a handbook for the maritime security sector.

**Children Used In Maritime Piracy: A Handbook for Maritime Security Sector Actors.**

*Roméo Dallaire Child Soldiers Initiative* [Online]. September 2016. Available from: <http://www.childsoldiers.org/publications/children-used-in-maritime-piracy-a-handbook-for-maritime-security-sector-actors/> Apart of the Roméo Dallaire Initiative's landmark publications for security sector actors, this Handbook aims to highlight and reinforce the various roles that security sector actors (i.e. navies, and private security maritime contractors) can play in protecting used in maritime piracy, both at sea and on land.

**Warmer weather encourages deadly journey in Mediterranean. By Angelos Berberakis.**

*Daily Sabah (Turkey)* [Online]. 21 May 2017. Available from: <https://www.dailysabah.com/europe/2017/05/22/warmer-weather-encourages-deadly-journey-in-mediterranean> Over 2,100 immigrants were rescued from 17 barely seaworthy vessels, both rubber and wooden, by Italian authorities on Saturday, but the EU's immigration plan faces a backlash.

**Cameroon, Nigeria Collaborate Against Piracy. By Moki Adwin Kindzeka. Voice of America**

[Online]. 23 May 2017. Available from: <https://www.voanews.com/a/cameroon-nigeria-collaborate-against-piracy/3868384.html> The Gulf of Guinea remains a global hot spot for piracy, with reported attacks concentrated off the coast of Nigeria.

**Piracy threat returns to African waters. By Kieron Monks. CNN** [Online]. 25 May 2017.

Available from: <http://edition.cnn.com/2017/05/25/africa/piracy-resurgence-somalia/> 📰 A small Iranian fishing boat was hijacked off the coast of Somalia Tuesday, a local mayor reported.

## PORT STATE CONTROL

### **Foreign flagged ships under detention in the UK during April 2017.**

UK Maritime & Coastguard Agency [Online]. 3 May 2017. Available from:

<https://www.gov.uk/government/news/foreign-flagged-ships-under-detention-in-the-uk-during-april-2017>

The Maritime and Coastguard Agency (MCA) announced today that five foreign flagged ships were under detention in UK ports during April 2017 after failing Port State Control (PSC) inspection.

### **De-mystifying the targeting process for Port State Control exams. By Andrew J Norris, retired U.S. Coast Guard captain, Senior Regulatory Consultant, Independent Maritime Consulting LLC.**

*Professional Mariner* [Online]. 2 May 2017. Available from:

<http://www.professionalmariner.com/May-2017/De-mystifying-the-targeting-process-for-Port-State-Control-exams/>

The U.S. Coast Guard's Port State Control (PSC) program is intended to ensure that foreign-flagged vessels operating in U.S. waters comply with applicable international conventions and U.S. regulations, with the ultimate goal of identifying and eliminating substandard ships from U.S. waters

### **Global Leaders Gather in Vancouver, Sign New International Declaration on Ship Safety.**

Government of Canada [Online]. 4 May 2017. Available from:

[https://www.canada.ca/en/transport-canada/news/2017/05/global\\_leaders\\_gatherinvancouverinsignnewinternationaldeclarationo.html](https://www.canada.ca/en/transport-canada/news/2017/05/global_leaders_gatherinvancouverinsignnewinternationaldeclarationo.html)

Global leaders in marine shipping signed a new declaration that will protect our oceans and advance international ship safety at the Third Joint Ministerial Conference on Port State Control in Vancouver, BC, today.

### **Port State Control will target sulphur rules and the Polar Code.**

*Danish Maritime Authority* [Online]. 5 May 2017. Available from: <http://www.dma.dk/Presse/Nyheder/Sider/Port-State-Control-will-target-sulphur-rules-and-the-Polar-Code.aspx>

29 countries from the Paris MoU and the Tokyo MoU have signed a new Ministerial Declaration on port State control.

### **Navigational practices under the spotlight.**

*Australian Maritime Safety Authority (AMSA)* [Online]. 26 May 2017. Available from: [https://www.amsa.gov.au/media/media-releases/2017/documents/26052017\\_Mediarelease\\_Poornavigationalpracticeinshipping.pdf](https://www.amsa.gov.au/media/media-releases/2017/documents/26052017_Mediarelease_Poornavigationalpracticeinshipping.pdf)

The Australian Maritime Safety Authority (AMSA) is calling on ship owners and operators to improve their safety management systems after port State control inspections conducted by AMSA between 1 January and 30 April 2017 identified 142 ships which had failed to follow safe navigation practices on voyages.

## PORTS AND HARBOURS

### **Port of Vancouver promotes quieter ships. By Rachel Carmichael, Communications Manager, North & South America, DNV GL.**

*Green4Sea* [Online]. 3 May 2017. Available from:

<http://www.green4sea.com/port-of-vancouver-promotes-quieter-ships/> Marine mammals, such as whales and dolphins, are impacted by underwater noise.

### **Dramatic Jebel Ali crane collapse caught on video. By Sam Chambers.**

*Splash 24/7* [Online]. 8 May 2017. Available from: <http://splash247.com/dramatic-jebel-ali-crane-collapse-caught-on-video/>

Splash has obtained an exclusive video of the remarkable moment a brand new giant gantry crane tumbled onto the quayside at DP World's flagship Jebel Ali terminal in Dubai.

**Pilot in the spotlight as investigations continue into Dubai's spectacular crane accident.** By Sam Chambers. *Splash* 24/7 [Online]. 9 May 2017. Available from:

<http://splash247.com/pilot-in-the-spotlight-as-investigations-continue-into-dubais-spectacular-crane-accident/> 📺 Investigations are ongoing into Thursday's miraculous crane collapse at DP World's flagship Jebel Ali terminal.

**Political Strife Challenges South Africa's Ports.** By Harry Valentine. *Maritime Executive* [Online]. 11 May 2017. Available from: <http://maritime-executive.com/editorials/political-strife-challenges-south-africas-ports> Recent developments in local politics and the international financial world are likely to have an impact on the future of South Africa's ports.

**Kalmar Port 2060 vision.** *Kalmar Global* [Online]. 11 May 2017. Available from: <https://www.youtube.com/watch?v=1xaKAYmBqQ4> 📺 We at Kalmar have a vision of the future port.

**Spanish cabinet makes second attempt at passing port reform.** By Paul Day. *Reuters* [Online]. 12 May 2017. Available from: <http://uk.reuters.com/article/uk-spain-ports-idUKKBN1881RK?il=0> The Spanish cabinet passed a decree on Friday aimed at liberalizing the country's ports, a second effort at a contentious law which has already been rejected by parliament and prompted threats of widespread strikes.

**Port Concession: Terminal Operators' Investments Hit \$2bn.** By Eromosele Abiodun. *This Day (Nigeria)* [Online]. 15 May 2017. Available from: <https://www.thisdaylive.com/index.php/2017/05/15/port-concession-terminal-operators-investments-hit-2bn/> As a result of the huge investment, ship waiting time has been eliminated to zero days while vessel turnaround time has also improved significantly based on cargo type.

**Port of Los Angeles and GE Transportation Launch Solution to Digitize Maritime Shipping.** *Port of Los Angeles* [Online]. 16 May 2017. Available from: [https://www.portoflosangeles.org/newsroom/2017\\_releases/news\\_051617\\_GE\\_POLA\\_Transpor%20ation\\_Launch.asp](https://www.portoflosangeles.org/newsroom/2017_releases/news_051617_GE_POLA_Transpor%20ation_Launch.asp) Last November, GE Transportation and the Port of Los Angeles announced a partnership to develop a first-of-its-kind digital solution to keep cargo flowing efficiently through America's largest container port.

**Spain's lower house of parliament approves port reform.** By Rodrigo de Miguel and Robert Hetz. *Reuters* [Online]. 18 May 2017. Available from: <http://in.reuters.com/article/spain-ports-idINL8N1K3WK> May 18 Spain's lower house of parliament narrowly passed a long-delayed reform of port operations on Thursday, bringing regulation closer to that of the European Union though the overhaul has been slammed by unions that have threatened widespread strikes.

**The Gothenburg port conflict enters a new stage of deadlock.** By Tomas Kristiansen. *ShippingWatch* [Online]. 22 May 2017. Available from: <http://shippingwatch.com/secure/Ports/article9594876.ece> The conflict at the Port of Gothenburg has now intensified again as APM Terminals decided to carry out a partial lock-out of employees after the dockworkers issued a proposal Friday which supposedly did not materialize.

**Environmental policies and practices in cruise ports.** *PortEconomics* [Online]. 22 May 2017. Available from: <http://www.porteconomics.eu/2017/05/22/environmental-policies-and-practices-in-cruise-ports/> With shipping accounting for approximately 20% of global discharges of wastes and residues at sea, reducing discharges of all kind of ship-generated waste and cargo residues into the sea is closely linked with the protection of the marine environment.



### **Port-Related Funding Lower In President's FY2018 Detailed Budget.**

*American Association of Port Authorities (AAPA)* [Online]. 23 May 2017. Available from: <http://www.aapa-ports.org/advocating/PRdetail.aspx?itemnumber=21703> In reviewing the details announced today in President Trump's fiscal 2018 budget request, the American Association of Port Authorities (AAPA) – the recognized and unified voice of America's seaports – sees declines for most federally funded, port-related programs.

### **Djibouti opens new port as part of \$7 bln/year free-trade zone plan. By Katharine Houreld.**

*Reuters* [Online]. 24 May 2017. Available from: <http://af.reuters.com/article/investingNews/idAFKBN18K2I2-OZABS> Djibouti has formally opened one of four new ports designed to cement the tiny Horn of Africa nation's position as a continental hub, a statement from the ports authority said on Wednesday.

**Ports of Auckland to Eliminate Methyl Bromide Emissions.** *Ports of Auckland (New Zealand)* [Online]. 25 May 2017. Available from: <http://www.poal.co.nz/media/ports-of-auckland-to-eliminate-methyl-bromide-emissions> As part of Ports of Auckland's ambition to be the most sustainable port in New Zealand, the company will require the total recapture of methyl bromide gas used for container fumigation by September 1, 2017, and for all cargoes by the end of the year.

## **RECYCLING OF SHIPS**

### **Law paves way for Danish ratification of 'green' ship scrapping convention.**

**By Stephen Gadd.** *Copenhagen Post* [Online]. 11 May 2017. Available from: <http://cphpost.dk/news/law-paves-way-for-danish-ratification-of-green-ship-scrapping-convention.html> A unanimous Parliament has just passed a law that enables Denmark to ratify the UN's Hong Kong Convention on ship scrapping.

**NGO: 274 European vessels were beached in 2016.** *Hellenic Shipping News* [Online]. 17 May 2017. Available from: <http://www.hellenicshippingnews.com/ngo-274-european-vessels-were-beached-in-2016/> The NGO Shipbreaking Platform is a coalition of environmental, human- and labour rights organisations working to promote safe and environmentally sound ship recycling globally.

**NGO Shipbreaking Platform Annual Report 2016.** *NGO Shipbreaking Platform* [Online]. 16 May 2017. Available from: [http://www.shipbreakingplatform.org/shipbrea\\_wp2011/wp-content/uploads/2017/05/NGO\\_Shipbreaking\\_Platform\\_Annual\\_Report\\_2016\\_05-web-page.pdf](http://www.shipbreakingplatform.org/shipbrea_wp2011/wp-content/uploads/2017/05/NGO_Shipbreaking_Platform_Annual_Report_2016_05-web-page.pdf)  In 2016, 862 vessels were dismantled.

### **Working conditions at Gadani ship-breaking yard 'still bad'. By Anil Datta.**

*News International (Pakistan)* [Online]. 21 May 2017. Available from: <https://www.thenews.com.pk/print/205657-Working-conditions-at-Gadani-ship-breaking-yard-still-bad> Despite the loss of almost 40 lives of workers at the Gadani ship-breaking yard since November 2016, no efforts have been made by the state or the owners to improve the conditions.

## REGULATIONS

**Ballast Water – U.S. Getting Tough on Extensions.** *Hellenic Shipping News* [Online]. 3 May 2017. Available from: <http://www.hellenicshippingnews.com/ballast-water-u-s-getting-tough-on-extensions/> All ships calling at US ports and intending to discharge ballast water must either carry out ballast water exchange or treatment, in addition to fouling and sediment management.

**Flag states offer support for owners.** *Ballast Water Treatment Technology* [Online]. 5 May 2017. Available from: [http://www.ballastwatermanagement.co.uk/news/view\\_flag-states-offer-support-for-owners\\_47556.htm](http://www.ballastwatermanagement.co.uk/news/view_flag-states-offer-support-for-owners_47556.htm) Despite being one of IMO's member states that has not ratified its Ballast Water Management Convention (BWMC), Cyprus nonetheless works closely with its shipowners to make sure they comply with it. Ioannis Efstratiou, acting director of its Department of Merchant Shipping (DMS), told BWTT that it is "working towards ratifying the convention."

**Bunker industry uncertain over response to sulfur cap.** By Jack Jordan. *S&P Global Platts* [Online]. 4 May 2017. Available from: <https://www.platts.com/latest-news/shipping/london/feature-bunker-industry-uncertain-over-response-26728069> Six months after the International Maritime Organization decided to cut global marine fuel sulfur limits sharply in 2020, the bunker industry is still discussing its objections to the decision.

**MARPOL deficiencies in the Caribbean topic of Cayman Conference.** *All About Shipping* [Online]. 4 May 2017. Available from: <http://www.allaboutshipping.co.uk/2017/05/04/marpol-deficiencies-in-the-caribbean-topic-of-cayman-conference/> Grand Cayman was the site of a pivotal conference on "Implementing MARPOL in the Caribbean" held on May 2nd under the auspices of WISTA (Women's International Shipping and Trading Association) Cayman Islands and the North American Marine Environment Protection Association (NAMEPA).

**Challenges in the forthcoming implementation of the BWMC.** By Dimitris Dedepsidis, Customer Service Manager, DNV GL. *Green4Sea* [Online]. 8 May 2017. Available from: <http://www.green4sea.com/challenges-forthcoming-implementation-bwmc/> BWM is not something new; it exists for over 20 years. It came in 1997 with the first IMO's "Guidelines for Control and Management of Ships' Ballast Water to Minimize the Transfer of Harmful Aquatic Organisms and Pathogens".

**Environmental Legislation Outlook.** By Stamatis Fradelos, Principal Engineer, Operational & Environmental Performance (OEP), ABS. *Green4Sea* [Online]. 8 May 2017. Available from: <http://www.green4sea.com/environmental-legislation-outlook/> The Baltic Sea and North Sea are becoming NOx Emission Control areas in 2021, the 0.5% Sulphur Cap will be effective in 2020 and so does the EEDI Phase 2 while the EEDI Phase 3 is expected beyond 2025, the IMO Data Collection System is starting in 2019, EU Ship Recycling Regulation and IHM for new vessels in 2019 and for existing vessels possibly by 2020, the EU MRV is starting next year, the BWM Convention in September 2017.

**2017 — The year of the MRV.** By Poul Woodall, Director, Environment and Sustainability, DFDS. *Lloyd's List* [Online]. 10 May 2017. Available from: <https://www.lloydslist.com/ll/sector/regulation/article555418.ece> The European Union's regime for monitoring ships' CO2 emissions will affect the relationships between owners, managers, charterers, pool partners and others, but at what cost?

**Costa Concordia: The ISM Code under attack. By Arne Sagen FNI, Accident Investigator, Skagerrak Foundation, Norway.** *Lloyd's List* [Online]. 11 May 2017. Available from: <https://www.lloydslist.com/ll/sector/regulation/article555568.ece> The Italian Supreme Court in Rome is now handling the appeal from cruiseship master Francesco Schettino, who was sentenced to 16-plus years in prison as the sole responsible body for the capsizing of *Costa Concordia* on November 13, 2012.

**"Ballast Water Management Legislation Implementation: Practical problems in need of an answer".** *Hellenic Shipping News* [Online]. 17 May 2017. Available from: <http://www.hellenicshippingnews.com/ballast-water-management-legislation-implementation-practical-problems-in-need-of-an-answer/> INTERCARGO welcomes and supports the Ballast Water Management (BWM) international initiatives and legislation, however it should be recognised that their implementation needs to be made in the most effective and practical manner possible.

**How will your ships comply with the 2020 IMO sulphur cap? By Marcus Hand.** *Seatrade Maritime News* [Online]. 17 May 2017. Available from: <http://www.seatrade-maritime.com/news/asia/white-paper-how-will-your-ships-comply-with-the-2020-imo-sulphur-cap.html> The shipping industry caught off guard last October when the IMO decided to mandate the use marine fuel with a maximum of 0.5% sulphur worldwide from the start of 2020 rather than the widely expected date of 2025. [What you need to know: The 2020 IMO fuel sulphur regulation](#) 

**Consultation: Ships in polar waters and other maritime and marine protection rules.** *Maritime New Zealand* [Online]. 17 May 2017. Available from: <http://www.maritimenz.govt.nz/public/news/media-releases-2017/20170517a.asp>  Maritime NZ Director, Keith Manch, said consultation begins tomorrow (Thursday) on how New Zealand will apply these changes.

**Dutch MEP: Shipping must go further and faster on climate. By Bas Eickhout, Dutch MEP.** *Lloyd's List* [Online]. 17 May 2017. Available from: <https://www.lloydslist.com/ll/sector/regulation/article556059.ece> European policymakers are looking for concrete policy plans and clear verifiable targets followed by immediate action that reduces shipping's greenhouse gas emissions.

**"Your Cheatin' Heart" - Compliance Issues Cause Uncertainty About Low Sulfur Bunker Impacts. By Johan Auers and John Mayers, Turner, Mason & Company.** *Ship & Bunker* [Online]. 18 May 2017. Available from: <https://shipandbunker.com/news/features/industry-insight/350838-your-cheatin-heart-compliance-issues-cause-uncertainty-about-low-sulfur-bunker-impacts> The decision last October by the International Maritime Organization (IMO) to go forward with the mandatory introduction of low sulfur bunker fuel in 2020 has been a major topic of discussion throughout both the refining and shipping industries.

**Don't underestimate industry's CO2 ambition. By Simon Bennett, Director Policy & External Relations, International Chamber of Shipping.** *Lloyd's List* [Online]. 18 May 2017. Available from: <https://www.lloydslist.com/ll/sector/regulation/article556199.ece> Netherlands MEP Bas Eickhout, has underestimated the level of ambition contained in the industry's recent proposal to International Maritime Organization to establish some Aspirational Objectives for CO2 reduction.

**Japan wants efficiency-based CO2 reduction targets. By Anastassios Adamopoulos.**

*Lloyd's List* [Online]. 19 May 2017. Available from:

<https://www.lloydslist.com/ll/sector/regulation/article556278.ece> The International Maritime Organization should focus on an energy efficiency-based CO2 reduction target, while promoting alternative fuels, Japan argued, ahead of the shaping of the IMO's decarbonisation roadmap.

**AMSA: How to identify official nautical charts. Safety 4 Sea** [Online]. 22 May 2017.

Available from: <http://www.safety4sea.com/amsa-how-to-identify-official-nautical-charts/>

The Australian Maritime Safety Authority (AMSA) issued a marine notice, in order to draw attention to the importance of using only official nautical charts to comply with flag State requirements, under Chapter V of the amended International Convention for the Safety of Life at Sea (SOLAS).

**Coast Guard "has not been aggressively enforcing" salvage and marine fire-fighting requirements. American Journal of Transportation (AJOT)** [Online]. 22 May 2017.

Available from: <https://www.ajot.com/news/coast-guard-has-not-been-aggressively-enforcing-salvage-and-marine-fire-fighting>

A top U.S. Coast Guard official admitted at a recent congressional oversight hearing that the Coast Guard "has not been aggressively enforcing the compliance" of vessel response plans filed under federal Salvage and Marine Firefighting (SMFF) regulations.

**Shipping industry's CO2 proposal to IMO may be a good compromise. International Bunker Industry Association (IBIA)** [Online]. 23 May 2017. Available from: <http://ibia.net/shipping-industrys-co2-proposal-to-imo-may-be-a-good-compromise/> Pressure is growing on the International Maritime Organization (IMO) to deliver specific commitments to reducing greenhouse gas emissions.

**Fight against illegal fishing: Commission lists Saint Vincent and the Grenadines and the Comoros as non-cooperating, and issues warning for Liberia. European Commission**

[Online]. 23 May 2017. Available from: <https://ec.europa.eu/fisheries/fight-against-illegal-fishing-commission-lists-saint-vincent-and-grenadines-and-comoros-non-cooperating>

en Saint Vincent and the Grenadines and the Comoros have been identified as non-cooperating third countries under the EU's regulation to fight and deter illegal, unreported and unregulated (IUU) fishing, while Liberia has been pre-identified.

**Transparency call from US Coast Guard. By Darrin Griggs. TradeWinds** [Online].

30 June 2017. Available from: <http://www.tradewindsnews.com/tankers/1269747/transparency-call-from-us-coast-guard> Increased transparency is one of the main keys to helping regulators help the industry, said USCG Rear Admiral Paul Thomas, who delivered the keynote address at DNV GL's conference yesterday on sulphur emissions.

**ABS Nautical Systems Simplifies MRV Compliance. ABS (American Bureau of Shipping)**

[Online]. 29 May 2017. Available from: <http://www2.eagle.org/en/news/press-room/2017/ABS-Nautical-Systems-Simplifies-MRV-Compliance.html> New cloud-based compliance software module captures and manages data for environmental compliance.

**European refiners see life after IMO 2020, but it costs. Hellenic Shipping News** [Online].

29 May 2017. Available from: <http://www.hellenicshippingnews.com/european-refiners-see-life-after-imo-2020-but-it-costs/> As the 2020 deadline for the International Maritime Organisation's (IMO) global sulphur cap on bunker fuels draws closer, Europe's refiners are now starting to respond.

**Marine insurers brace for new sulfur emission norms. By Sameer C. Mohindru and Surabhi Sahu.** *S&P Global Platts* [Online]. 28 May 2017. Available from: <https://www.platts.com/latest-news/shipping/singapore/feature-marine-insurers-brace-for-new-sulfur-27837273> Shipping companies will have to upgrade their vessels well in time to adhere to the upcoming global sulfur emission norms to avoid losing their classification and insurance cover, underwriters and insurers said recently.

## **SAFETY**

**Watertight doors awareness campaign. DNV GL** [Online]. 3 May 2017. Available from: <https://www.dnvgl.com/news/watertight-doors-awareness-campaign-90838> Watertight doors are crucial for reducing ship vulnerability in cases of flooding, as witnessed from the time of the Titanic to today.

**Looking for a place of refuge. By Graeme Ewens.** *Maritime Journal* [Online]. 15 May 2017. Available from: <http://www.maritimejournal.com/news101/comment-and-analysis/looking-for-a-place-of-refuge> The recent episode off Lands End, UK, in which a disabled coaster was taken in tow by two RNLi lifeboats in the absence of a dedicated salvage tug points up the continuing demands to reinstate the four Emergency Towing Vessels (ETVs) that were once based at strategic locations around the UK coast.

**Transport industry failing to improve safety standards. By Janet Porter.** *Lloyd's List* [Online]. 18 May 2017. Available from: <https://www.lloydslist.com/ll/sector/containers/article556171.ece> Insurance claims in the transport and logistics industry remain much the same as 30 years ago, despite considerable efforts to improve safety in ports, terminals and along the supply chain.

**Inmarsat and IMSO collaborate to promote and enhance maritime safety in Vanuatu.** *Inmarsat* [Online]. 24 May 2017. Available from: <http://www.inmarsat.com/press-release/inmarsat-imso-collaborate-promote-enhance-maritime-safety-vanuatu/> Inmarsat (ISAT.L) has made available five Fleet One units to a pilot initiative that aims to bring change to the way ships connecting island communities in the Pacific archipelago of Vanuatu communicate.

**Alaska House calls for more stringent measures on vessels in Bering Sea. By Davis Hovey.** *KTTO Public Media (Alaska)* [Online]. 23 May 2017. Available from: <http://www.ktoo.org/2017/05/23/alaska-house-calls-stringent-measures-vessels-bering-sea/> Vessel traffic in the Bering Sea is the focus of a new resolution that passed through the Alaska House of Representatives with a vote of 33-6 on May 16.



## SALVAGE

**Double salvage success for Ardent. By Peter Barker.** *Maritime Journal* [Online].

5 May 2017. Available from: <http://www.maritimejournal.com/news101/tugs,-towing-and-salvage/double-salvage-success-for-ardent> Ardent Salvage has reported the successful conclusion of two salvage operations involving refloating stranded general cargo ships just 7km apart in Sweden.

**DNV GL salvage support for the "Modern Express": Case Study.** *DNV GL* [Online].

23 May 2017. Available from: <https://www.dnvgl.com/article/dnv-gl-salvage-support-for-the-modern-express--89595> Last year, the "Modern Express", a Panama-registered ship transporting 3,600 tons of construction machinery and timber from Gabon in West Africa to the French port of Le Havre, was caught in a severe storm in the Bay of Biscay.

## SEAFARERS

**Mission to Seafarers Responds to Rising Seafarers' Welfare Issues in UAE.**

*World Maritime News* [Online]. 4 May 2017. Available from:

<http://worldmaritimenews.com/archives/219349/mission-to-seafarers-responds-to-rising-seafarers-welfare-issues-in-uae/> In the last two years, the Dubai-based team of the Mission to Seafarers (MtS) welfare charity dealt with 298 vessels which had significant welfare issues involving more than 1,600 seafarers, the organization said.

**Human Rights in Focus. By Wendy Laursen.** *Maritime Executive* [Online]. 4 May 2017.

Available from: <http://www.maritime-executive.com/article/human-rights-in-focus> Concern for the human rights of seafarers is growing in focus across the maritime industry, with this week's Offshore Technology Conference (OTC2017) providing one example of action taken this week around the world.

**North P&I Club Says Good On-Board Internet is Vital to Getting the Right Crew.**

*North of England P&I Association* [Online]. 10 May 2017. Available from:

<http://www.nepia.com/news/press-releases-area/north-pi-club-says-good-on-board-internet-is-vital-to-getting-the-right-crew/> North P&I Club is encouraging its shipowner members to consider the importance of internet access on their ships to ensure they continue to attract, recruit and retain high quality crews.

**Improving the lot of Bangladeshi seafarers. By Moklasur Rahman.** *Financial Express*

(Bangladesh) [Online]. 14 May 2017. Available from: <http://print.thefinancialexpress-bd.com/2017/05/14/172333> Maritime Labour Convention (MLC), 2006 is meant to protect the right of seafarers which is treated as "Fourth Pillar" next to SOLAS, MARPOL and STCW of International Maritime Organisation (IMO).

**Chaplains of the Sea.** *BBC World Service* [Online]. 14 May 2017. Available from:

<http://www.bbc.co.uk/programmes/p0525g9j> With the global shipping industry in financial crisis, we join the chaplains on their daily visits to container ships and supply vessels in Antwerp, Immingham and Aberdeen, to find out why the work of chaplains is more crucial than ever.

**Indian seafarers unlawfully detained in Kuwait.** *Human Rights at Sea (HRAS)* [Online].

17 May 2017. Available from: <https://www.humanrightsatsea.org/indian-seafarers-unlawfully-detained-in-kuwait/> Human Rights at Sea has been informed via the NGO Justice Upheld of the case of four Indian seafarers under house arrest in Kuwait and unlawfully detained since 13 May 2013.

**Christian charity calls for prayer for victims of real life pirates. By Marcus Jones.**

*Premier UK* [Online]. 24 May 2017. Available from:

<https://www.premier.org.uk/News/UK/Christian-charity-calls-for-prayer-for-victims-of-real-life-pirates> 🗣️

As millions prepare to watch the latest instalment of the Pirates of the Caribbean franchise, a Christian charity is encouraging prayers for those who are targeted by real-life pirate attacks.

**Stranded Indian sailor wants to see his parents. By Sajila Saseendran. Gulf News** [Online].

29 May 2017. Available from: <http://gulfnews.com/news/uae/society/stranded-indian-sailor-wants-to-see-his-parents-1.2034787>

The scorching summer heat is becoming unbearable for Subith K. Sukumaran, an Indian oiler on board the vessel *MV Sharjah Moon* that has docked at Hamriya Port in Sharjah.

## SEARCH AND RESCUE

**Pacific delegates gather to discuss search and rescue. Radio New Zealand** [Online].

23 May 2017. Available from:

<http://www.radionz.co.nz/international/programmes/datelinepacific/audio/201844853/pacific-delegates-gather-to-discuss-search-and-rescue> 🗣️

Delegates to a Pacific search and rescue conference underway in Auckland hope to find more effective ways of raising safety awareness among people using the world's biggest ocean.

**Theresa Crossley Appointed CEO of the International Maritime Rescue Federation.**

*International Maritime Rescue Federation* [Online]. 22 May 2017. Available from:

<https://www.international-maritime-rescue.org/10-news/2466-theresa-crossley-appointed-ceo-of-the-international-maritime-rescue-federation>

The International Maritime Rescue Federation (IMRF), the international charity focussed on preventing loss of life in the world's waters, has announced that Theresa Crossley will be its new Chief Executive.

## SHIPBUILDING AND SHIPREPAIR

**Six killed in crane collapse at Samsung shipyard in South Korea. By Heekyong Yang and Nerijus Adomaitis. Reuters** [Online]. 1 May 2017. Available from:

<http://www.reuters.com/article/us-samsung-heavy-accident-idUSKBN17X1K6?il=0> Six people died and more than 20 were injured when a crane collapsed at a Samsung Heavy Industries shipyard in South Korea on Monday

**Norwegian billionaire to build giant ship for environment research. The Local (Norway)**

[Online]. 2 May 2017. Available from: <https://www.thelocal.no/20170502/norwegian-billionaire-to-build-giant-ship-for-environment-research> 🗣️

The 181-meter-long vessel, which is scheduled to be launched in the summer of 2020, will give researchers tools they could not otherwise have dreamed of.

**One Sea - Autonomous Maritime Ecosystem introduced roadmaps to autonomous shipping. One Sea** [Online]. 22 May 2017. Available from: <http://www.goo.gl/cRPaUV>

Top players from marine and IT-industry have teamed up to jointly develop world's first system of autonomous ships.

## SHIPPING

**All you need to know about shipping but were afraid to ask: ICS launches 2017 Annual Review.** *International Chamber of Shipping (ICS)* [Online]. 3 May 2017. Available from: <http://www.ics-shipping.org/news/press-releases/2017/05/03/all-you-need-to-know-about-shipping-but-were-afraid-to-ask-ics-launches-2017-annual-review> The International Chamber of Shipping has launched its latest Annual Review, ahead of the ICS Annual General Meeting in Istanbul next week. [2017 Annual Review](#) 

**Ship owners back Peterside to lead African maritime revival. By Ifechukwude Osakwe.** *Today (Nigeria)* [Online]. 3 May 2017. Available from: <https://www.today.ng/news/nigeria/291665/ship-owners-peterside-lead-african-maritime-revival> Ship Owners Association of Nigeria (SOAN), has given its support to the Director General of the Nigerian Maritime Administration and Safety Agency (NIMASA), Dakuku Peterside, to lead African maritime sector revival.

**As Arctic Ice Vanishes, New Shipping Routes Open. By Jugal K. Patel and Henry Fountain.** *New York Times* [Online]. 3 May 2017. Available from: <https://www.nytimes.com/interactive/2017/05/03/science/earth/arctic-shipping.html> As global warming melts sea ice across the Arctic, shipping routes once thought impossible - including directly over the North Pole - may open up by mid-century.

**Charting the world's LNG-fuelled fleet. By Karen Thomas.** *LNG World Shipping* [Online]. 3 May 2017. Available from: [http://www.lngworldshipping.com/news/view.charting-the-worlds-lngfuelled-fleet\\_47537.htm](http://www.lngworldshipping.com/news/view.charting-the-worlds-lngfuelled-fleet_47537.htm)  This year, the total fleet – in service and on order – has hit the 200-ship landmark.

**Greece seeking increased Chinese investments at Beijing Belt and Road Forum. By David Glass.** *Seatrade Maritime News* [Online]. 5 May 2017. Available from: <http://www.seatrade-maritime.com/news/europe/greece-seeking-increased-chinese-investments-at-beijing-belt-and-road-forum.html> Athens is looking forward to an immediate increase in Chinese direct investments in Greece and attributes great significance to the contacts to be made in Beijing during the Belt and Road Forum, May 14 – 16.

**Singapore earmarked as future LNG trading hub. Deloitte** [Online]. 3 May 2017. Available from: <https://www2.deloitte.com/au/en/pages/media-releases/articles/singapore-earmarked-as-future-lng-trading-hub-030517.html> Singapore has been identified as the favoured Asian liquefied natural gas (LNG) trading hub, according to a survey of senior industry leaders by Deloitte.

**ABS Supports DSME on Novel FLNG Concept. ABS (American Bureau of Shipping)** [Online]. 4 May 2017. Available from: <http://www2.eagle.org/en/news/press-room/2017/ABS-Supports-DSME-on-Novel-FLNG-Concept.html> ABS, a leading provider of classification and technical services to the marine and offshore industries, signed an agreement with Daewoo Shipbuilding and Marine Engineering Co. (DSME) to support safety and apply class guidance to a conceptual Floating Liquefied Natural Gas (FLNG) unit.

**COSCO SHIPPING -- A name card of China in Greece on Maritime Silk Road. By Yan Liang.** *Xinhuanet (China)* [Online]. 7 May 2017. Available from: [http://news.xinhuanet.com/english/2017-05/07/c\\_136263839.htm](http://news.xinhuanet.com/english/2017-05/07/c_136263839.htm) It is the 22nd day on the sea for the merchant vessel (M.V.) *COSCO Netherlands* to complete its voyage from China to Europe on a route known as the Maritime Silk Road.

**Peterside suggests shipping for economic diversification.** *Today (Nigeria)* [Online]. 6 May 2017. Available from: <https://www.today.ng/business/transport/292391/peterside-suggests-shipping-economic-diversification> The Director-General, Nigerian Maritime Administration and Safety Agency (NIMASA), Dr Dakuku Peterside, says there is need to advance Nigeria's economy through shipping for economic diversification.

**16th Annual Caribbean Shipping Executives Conference Under Way.** *The Gleaner (Jamaica)* [Online]. 9 May 2017. Available from: <http://jamaica-gleaner.com/article/shipping/20170509/16th-annual-caribbean-shipping-executives-conference-under-way> The Caribbean Shipping Association's (CSA) 16th annual Caribbean Shipping Executives Conference (CSEC) began yesterday in Willemstad, Curaçao, with remarks from the association's president, David Jean Marie.

**Ballast water rules to help bigger owners in US trade.** By Nidaa Bakhsh, Eagle Bulk Shipping Inc. *Lloyd's List* [Online]. 9 May 2017. Available from: <https://www.lloydslist.com/ll/sector/dry-cargo/article555421.ece> New ballast water regulations taking effect in September will be advantageous for bigger shipowners that will be able to take market share in the US trade routes from smaller players, according to Eagle Bulk's chief executive Gary Vogel.

**Maersk Line's result is a concern for the entire industry.** By Tomas Kristiansen and Louise Vogdrup-Schmidt. *ShippingWatch* [Online]. 11 May 2017. Available from: <http://shippingwatch.com/secure/carriers/Container/article9572440.ece> Container carriers' faith in 2017 as a strong turnaround for the industry was taken down a notch after the presentation of Maersk Line's first quarter interim report which revealed a deficit of USD 66 million.

**Pressure is on for VLCC tankers.** By Nikos Roussanoglou. *Hellenic Shipping News* [Online]. 15 May 2017. Available from: <http://www.hellenicshippingnews.com/pressure-is-on-for-vlcc-tankers/> In its latest weekly report, shipbroker Charles R. Weber said that "VLCC rates remained under negative pressure this week as demand in both the Middle East and West Africa markets posted w/w declines while the extent of the May Middle East program appeared likely to conclude below earlier expectations as Suezmax demand surged, leading to weaker VLCC fundamentals.

**China Sparks World Container Traffic Boom.** *World Maritime News* [Online]. 15 May 2017. Available from: <http://worldmaritimenews.com/archives/219987/china-sparks-world-container-traffic-boom/> Preliminary data from Drewry's Container Trades Statistics (CTS) indicates that world container traffic surged by 10% year-on-year in the first quarter of 2017, fuelled mainly by spikes in imports and exports from China.

**Opinion: Vancouver's maritime future must be embraced.** By John D. Wiebe, President and CEO, GLOBE Group. *Vancouver Sun (Canada)* [Online]. 14 May 2017. Available from: <http://vancouversun.com/opinion/op-ed/opinion-vancouvers-maritime-future> Long recognized for its scenic beauty and quality of living, Vancouver is now being recognized for its potential as a global maritime hub.

**Scrapping to determine the pace of recovery for tanker shipping market.** *Drewry Shipping Consultants* [Online]. 10 May 2017. Available from: <https://www.drewry.co.uk/news/scrapping-to-determine-the-pace-of-recovery-for-tanker-shipping-market> Recovery in the crude tanker shipping market is not expected until 2020 as weak trade growth and a bloated orderbook limit any rate recovery.

**The Future of Shipping "Must Eventually Be Fossil Fuel Free": ICS.** *Ship & Bunker* [Online]. 16 May 2017. Available from: <https://shipandbunker.com/news/world/752178-the-future-of-shipping-must-eventually-be-fossil-fuel-free-ics> The shipping industry must eventually stop using fossil fuel bunkers, but it will take "several decades" before this can be achieved, says the International Chamber of Shipping (ICS).

**Women In Maritime Africa group berths in Nigeria.** By Sulaimon Salau. *Guardian (Nigeria)* [Online]. 17 May 2017. Available from: <https://guardian.ng/business-services/women-in-maritime-africa-group-berths-in-nigeria/> Women In Maritime Africa (WIMAFRICA), a continental body of African Women in the Maritime industry has debuted to promote female gender participation in Nigeria's shipping sector.

**Marshall Islands Extends Electronic Logbook Approval.** By Michelle Howard. *MarineLink.Com* [Online]. 16 May 2017. Available from: <https://www.marinelink.com/news/electronic-marshall425366> The Maritime Administrator of the Marshall Islands has extended its approval of the K-Fleet Logbook system, enabling more than 4,000 flag state registered vessels to introduce digital reporting for oil record and garbage record logbooks.

**Autonomous Ships Will Be Great.** By Adam Minter. *Bloomberg* [Online]. 16 May 2017. Available from: <https://www.bloomberg.com/view/articles/2017-05-16/autonomous-ships-will-be-great> It sounds like a ghost story: A huge cargo vessel sails up and down the Norwegian coast, silently going about its business, without a captain or crew in sight.

**The Broad Effects of China's Belt and Road Initiative.** *Maritime Executive* [Online]. 16 May 2017. Available from: <http://www.maritime-executive.com/editorials/the-full-effects-of-the-belt-and-road-initiative> Since Xi Jinping's announcement of China's Belt and Road Initiative (BRI) in 2013, much ink has been spilt trying to understand this policy platform that is centre stage right now with a Summit underway in Beijing.

**ICC calls for global guidance on return-refill container systems.** *International Chamber of Commerce (ICC)* [Online]. 12 May 2017. Available from: <https://iccwbo.org/media-wall/news-speeches/icc-calls-global-guidance-return-refill-container-systems/> Shipping goods across borders with reusable containers and tracking systems is better for the environment, consumers and companies yet differential treatment by customs authorities can be detrimental for business.

**European shipping should remain the enabler of free movement of goods and persons even after Brexit.** *European Community Shipowners' Associations (ECSA)* [Online]. 17 May 2017. Available from: <http://www.ecsa.eu/9-latest-news/308-european-shipping-should-remain-the-enabler-of-free-movement-of-goods-and-persons-event-after-brexite> European shipowners today published their priorities when it comes to Brexit negotiations outcome.

**ECSA position paper on Brexit: Objectives, opportunities & concerns.** *European Community Shipowners' Associations (ECSA)* [Online]. 17 May 2017. Available from: <http://www.ecsa.eu/images/PositionPapers2017/2017-05-16-ECSA-position-paper-on-Brexit---FINAL.pdf>  EU shipowners stress the importance of clarity regarding the process as well as the aim of the negotiations to allow proper preparation and planning.

**BIMCO launches latest guidance for charter negotiations.** By Leslea Petersen. *Baltic and International Maritime Council (BIMCO)* [Online]. 15 May 2017. Available from: [https://www.bimco.org/news/press-releases/20170515\\_cbf](https://www.bimco.org/news/press-releases/20170515_cbf) Check Before Fixing is an indispensable tool used across the industry for daily chartering and shipping transactions.



**UK shipowning needs to move with the times. By Sir Michael Bibby, Vice-President, UK Chamber of Shipping.** *UK Chamber of Shipping* [Online]. 19 May 2017. Available from: <https://www.ukchamberofshipping.com/latest/uk-shipowning-needs-move-times-sir-michael-bibby/> Sir Michael Bibby, vice-president of the UK Chamber of Shipping, writes on how British shipping should evolve, not cling on to nostalgia.

**Danish Shipowners' Association becomes Danish Shipping.** *Danish Shipping* [Online]. 18 May 2017. Available from: <https://www.danishshipping.dk/en/presse/nyheder/danish-shipowners-association-becomes-danish-shipping/> The three organisations - Danish Shipowners' Association, The Shipowners' Association of 2010 and The Danish Car Ferry Association - together represent all areas of the shipping industry in Denmark.

**Wilhelmsen unveils agency by air at Norshipping.** *Wilhelmsen* [Online]. 18 May 2017. Available from: <http://www.wilhelmsen.com/media-news-and-events/press-releases/2017/wilhelmsen-unveils-agency-by-air-at-norshipping/> Marking a seismic shift in just how ships agents can support their customers, Wilhelmsen Ships Service (WSS) will soon be delivering its agency essentials via drone.

**Swiss high seas fleet dwindles as state guarantees end. By Michael Shields.** *Reuters* [Online]. 18 May 2017. Available from: <http://www.reuters.com/article/us-swiss-fleet-idUSKCN18E2GN> A dozen ships from the Swiss high seas fleet are being sold off as the global shipping crisis takes its toll on the quirky remnant of landlocked Switzerland's efforts to ensure supplies of essential goods at times of international unrest.

**Q&A: Euronav chief executive skeptical on scrubbers.** *Hellenic Shipping News* [Online]. 22 May 2017. Available from: <http://www.hellenicshippingnews.com/ga-euronav-chief-executive-skeptical-on-scrubbers/> Shipowners have taken several strategic approaches to comply with the planned International Maritime Organization (IMO) regulation on capping marine fuel sulphur content to 0.1pc from 3.5pc, commencing in January 2020.

**Autonomous Ships Set to Plough the Baltic by 2025.** *World Maritime News* [Online]. 22 May 2017. Available from: <http://worldmaritimeneeds.com/archives/220585/autonomous-ships-set-to-plough-the-baltic-by-2025/> Representatives from marine and IT-industry have teamed up to enable fully remote controlled vessels in the Baltic Sea in three years and to achieve autonomous commercial maritime traffic by 2025.

**Lloyd's Register: Maritime grows in the Americas.** *Society of Maritime Industries* [Online]. 19 May 2017. Available from: <http://www.maritimeindustries.org/Member-News/lloyds-register-maritime-grows-in-the-americas> Mark Darley, President-Americas Marine for LR, recently sat with Maritime Reporter & Engineering News to explain the strategy to conduct business over a broader range of segments and services and grow LR's presence in the Americas.

**Rail Versus Maritime Along the Silk Road. By Harry Valentine.** *Maritime Executive* [Online]. 21 May 2017. Available from: <http://maritime-executive.com/editorials/rail-versus-maritime-along-the-silk-road> While maritime transportation involving either bulk freight or container freight involves lower transportation costs than railway transportation, railways offer faster delivery times.

**Has shipping become commoditised?** *Splash 24/7* [Online]. 24 May 2017. Available from: <http://splash247.com/shipping-become-commoditised/> Some argue our industry always has been while others reckon massive failures like Hanjin have halted the process.

**Nautilus launches Maritime SOS Animation.** *Nautilus International* [Online]. 22 May 2017. Available from: <https://nautilusint.org/en/what-we-say/nautilus-news/nautilus-launches-maritime-sos-animation/> The animation forms part of the Union's Jobs, Skills and the Future campaign which calls on the UK government and maritime industry to deliver decent work and training opportunities for British seafarers now before our seafaring skills and fleet are lost forever.

**Hapag-Lloyd and UASC complete merger.** *Hapag-Lloyd* [Online]. 24 May 2017. Available from: <https://www.hapag-lloyd.com/en/press/releases/2017/05/hapag-lloyd-and-uasc-complete-merger.html> Hapag-Lloyd strengthens position as top 5 carrier / Among the market leaders in several trades / One of the youngest and most efficient fleets in the industry / Annual synergies of USD 435 million planned.

**'GoodShipping Program' hands cargo owners control of their carbon footprint.** *All About Shipping* [Online]. 24 May 2017. Available from: <http://www.allaboutshipping.co.uk/2017/05/24/goodshipping-program-hands-cargo-owners-control-of-their-carbon-footprint/> The 'GoodShipping Program' enables ocean cargo owners with a quick, transparent and convenient way to reduce their carbon footprint - from the industry itself, and not from alternative mitigation schemes - by driving 'purchasing' biofuel in an initiative that is designed to accelerate low-carbon fuels in the marine fuel mix.

**The GoodShipping Program - Changing the course of sustainable shipping.** *GoodShipping* [Online]. 2017. Available from: <http://goodshipping.org/> The aim of this program is to change the marine fuel mix, helping to stimulate and demonstrate the use of advanced biofuels in the shipping industry.

**What the Gulf States Think of 'One Belt, One Road'. By Giorgio Cafiero, Founder and CEO, Gulf State Analytics and Daniel Wagner, Managing Director Risk Cooperative.** *The Diplomat* [Online]. 24 May 2017. Available from: <http://thediplomat.com/2017/05/what-the-gulf-states-think-of-one-belt-one-road/> As the world's largest planned economic corridor, OBOR encompasses 60 countries and links China to Europe through ports, highways, bridges, tunnels, communications grids, and rail links along two pathways that traverse several regions.

**Major customers criticize carriers' crewing standards. By Anders Petri.** *ShippingWatch* [Online]. 26 May 2017. Available from: <http://shippingwatch.com/secure/carriers/article9605447.ece> Several of the carriers' biggest customers believe that the quality of crews in board vessels has declined so far that it could ultimately represent a risk for safety.

**Venice world heritage status under threat. By Lisa Gerard-Sharp.** *The Guardian* [Online]. 26 May 2017. Available from: <https://www.theguardian.com/travel/2017/may/26/venice-tourists-cruise-ships-pollution-italy-biennale> A monster cruise ship meets a giant octopus and crashes into the Rialto bridge, provoking a tsunami. It's an apocalyptic vision of Venice.

**IMCA aims to set the Jones Act record straight.** *International Marine Contractors Association (IMCA)* [Online]. 25 May 2017. Available from: <https://www.imca-int.com/news/2017/05/25/imca-aims-set-jones-act-record-straight/> On May 10, 2017, U.S. Customs and Border Protection (CBP) issued Customs Bulletin & Decisions, Vol. 51, No. 19, 'Withdrawal of Proposed Modification and Revocation of Ruling Letters Relating to Customs Application of the Jones Act to the Transportation of Certain Merchandise and Equipment Between Coastwise Points'.

**Nisomar: 'Shipping remains a very inefficient business model'. By Captain Claus Hyldager, CEO, Nisomar.** *Splash 24/7* [Online]. 25 May 2017. Available from: <http://splash247.com/nisomar-shipping-remains-inefficient-business-model/> A new maritime technology service start-up hopes to transform various business in the shipping industry including shipowners, operators, brokers, charterers and financial institutions.

**New Record Set for Largest-Capacity Vessel to Transit Expanded Panama Canal.** *Panama Canal Authority* [Online]. 24 May 2017. Available from: <http://www.pancanal.com/eng/pr/press-releases/2017/05/24/pr625.html> Today, less than a month after the previous record was set, the Panama Canal welcomed the Neopanamax container vessel OOCL France, making it the largest capacity vessel to transit the Expanded Canal since it was inaugurated in June 2016.

**Dubai looking into forming \$1 billion shipping investment fund: sources.** **By Jonathan Saul and Tom Arnold.** *Reuters* [Online]. 24 May 2017. Available from: <https://uk.reuters.com/article/uk-emirates-shipping-fund-idUKKBN18K1RX> Dubai is looking into creating a \$1 billion (£772 million) investment fund focused on shipping to develop the Gulf city's maritime sector and ride out a global industry downturn, three finance sources familiar with the plans say.

**The Changing Tide of Risk: Expert Perspectives on the Marine Industry.** *Marsh* [Online]. 22 May 2017. Available from: <https://www.marsh.com/us/insights/research/the-changing-tide-of-risk-expert-perspectives-on-the-marine-ind.html> The marine industry is facing a crucial stage in its history. [Full Report](#) 

**Death and desperation taint Mediterranean shipping routes: Commercial shippers bear the psychological and financial brunt of rescuing asylum seekers at sea.** **By Emma Diltz.** *Politico* [Online]. 29 May 2017. Available from: <http://www.politico.eu/article/refugees-europe-migration-death-and-desperation-on-mediterranean-shipping-routes/> Merchant ship crews are designed to deliver cargo.

**Bernhard Schulte Shipmanagement opens Ship Management & Crew Service Centres in Mexico.** *Hellenic Shipping News* [Online]. 30 May 2017. Available from: <http://www.hellenicshippingnews.com/bernhard-schulte-shipmanagement-opens-ship-management-crew-service-centres-in-mexico/> After a year of successful operation out of Mexico, Bernhard Schulte Shipmanagement (BSM) has officially opened a new Ship Management Centre and Crew Service Centre in the Aztec country as part of plans to boost its growing presence in Latin America.

**Green shipping struggles in old-fashioned industry. By Tan Hwee Hwee.** *Singapore Law Watch* [Online]. 29 May 2017. Available from: <http://www.singaporelawwatch.sg/slw/headlinesnews/102686> Wärtsilä chief says industry players need to ditch outdated mindset and invest in vessels that run on environment-friendly LNG which can be cost-competitive in the long run.

**Owners not demanding autonomous ships, want solutions to today's issues: ABS.** **By Marcus Hand.** *Seatrade Maritime News* [Online]. 29 May 2017. Available from: <http://www.seatrade-maritime.com/news/europe/owners-not-demanding-autonomous-ships-want-solutions-to-today-s-issues-abs.html> Despite all the talk of autonomous or semi-autonomous vessels classification society ABS says it is seeing no demand for such ships from owners, and is instead focusing on technological developments for the world's existing fleet.

**Global carbon pricing coalition turns attention to shipping.** By Tristan Smith, University College London, Johannah Christensen, Global Maritime Forum. *Splash* 24/7 [Online]. 29 May 2017. Available from: <http://splash247.com/global-carbon-pricing-coalition-turns-attention-shipping/> Shipping's decarbonisation is inevitable and now widely accepted.

## RESEARCH

**Seals and shipping: quantifying population risk and individual exposure to vessel noise.** By E. L. Jones, G. D. Hastie et al. *Journal of Applied Ecology*. [Online]. (2017). Available from: <http://dx.doi.org/10.1111/1365-2664.12911> Vessels can have acute and chronic impacts on marine species.

**Impact of shipping emissions on ozone levels over Europe: assessing the relative importance of the Standard Nomenclature for Air Pollution (SNAP) categories.** By E. Tagaris, I. Stergiou et al. *Environmental Science and Pollution Research*. [Online]. (2017) Available from: <http://dx.doi.org/10.1007/s11356-017-9046-x> The impact of shipping emissions on ozone mixing ratio over Europe is assessed for July 2006 using the Community Multiscale Air Quality modeling system and the Netherlands Organization for Applied Scientific Research anthropogenic emission inventory.

**Exceptional and rapid accumulation of anthropogenic debris on one of the world's most remote and pristine islands.** By J. L. Lavers, A. L. Bond. *Proceedings of the National Academy of Sciences*. [Online]. (2017). Available from: <http://www.pnas.org/content/early/2017/05/09/1619818114.abstract> In just over half a century plastic products have revolutionized human society and have infiltrated terrestrial and marine environments in every corner of the globe.

**An appeal for a code of conduct for marine conservation.** By N. J. Bennett, L. Teh et al. *Marine Policy*. [Online]. (2017). Available from: <http://www.sciencedirect.com/science/article/pii/S0308597X17300672> Marine conservation actions are promoted to conserve natural values and support human wellbeing.

**Environmental policies and practices in cruise ports: Waste reception facilities in the Med.** By A. A. Pallis, A. A. Papachristou, and Ch. Platias. *PortEconomics* [Online]. 22 May 2017. Available from: <http://www.porteconomics.eu/mdocs-posts/2017-spoudai-pallis-papachristou-platias/> In recent times, cruise lines and ports have put efforts into reducing, selecting and managing generated wastes implementing the requirements of the international regulatory framework (MARPOL 73/78), as well as those imposed by the European legislation.

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#### About the cover

The CAB Cover is a photograph of the international memorial to the world's seafarers, past, present and future which graces the entrance to IMO Headquarters in London. The memorial, a seven-metre high, ten-tonne bronze representation of the bow of a cargo ship with a lone seafarer on the deck, is the work of internationally renowned British sculptor Michael Sandle.