HELMEPA ACADEMY

MARPOL at 50+
Our commitment goes on

23-24 April 2024

9.00 - 12.00 & 10.00 - 13.00 EEST

WEBINAR

Addressed to crew officers (deck & engine) and office personnel of HELMEPA Member companies

Learning level: Beginners to Intermediate

2024
REFRESHER TRAINING PROGRAM
From our members for our members

HELMEPA
MARITIME TRAINING CENTER
for Pollution Prevention
Safety at Sea and
Environmental Awareness

Day 1

09.00 – 09.50	50+ years of MARPOL: achievements and challenges International Maritime Organization
09.50 – 10.00	Break
10.00 – 10.50	Oil Record Book Part I, Fundamentals and Proper Recording Olympic Shipping & Management S.A.
10.50 – 11.00	Break
11.00 – 11.50	Oil Record Book Part I, Fundamentals and Proper Recording (cont.)
11.50 – 12.00	Q&As / Wrap-up / Closure

Day 2

10.00 – 10.50	Management of oil residues, sewage and garbage on board: common problems and best practices (Incinerators, Oil water Separators, Sewage Treatment issues) — Diana Shipping Services S.A.
10.50 – 11.00	Break
11.00 – 11.50	3 years of 0.5 global sulfur limit: EGCS - regulatory update (new standards) and operational tips Bureau Veritas
11.50 – 12.00	Break
12.00 – 12.50	Operational issues and best practices for NOx reduction technologies (systems and procedures) Bureau Veritas
12.50 – 13.00	Q&As / Wrap-up / Closure

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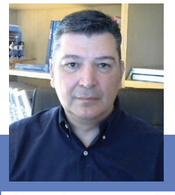
WEBINAR LECTURERS

Loukas KONTOGIANNIS

Head, Marine Pollution Section
Subdivision for Protective Measures
Marine Environment Division
International Maritime Organization

Mr. Kontogiannis joined the International Maritime Organization (IMO) as a member of the Secretariat in April 2010. In his current position within the Marine Environment Division, Mr. Kontogiannis is the Secretary to the Sub-Committee on Pollution Prevention and Response and also supports the work of the Marine Environment Protection on issues relating mainly to prevention of ship-source pollution from oil (MARPOL Annex I), noxious liquid substances in bulk (MARPOL Annex II), sewage (MARPOL Annex IV) and garbage (MARPOL Annex V). With regard to marine plastic litter, Mr. Kontogiannis was the Secretary to the Working Group on Marine Plastic Litter from Ships during MEPC 73, which prepared the IMO Action Plan to address marine plastic litter from ships (resolution MEPC.310(73)), and during MEPC 74 when work commenced on development of a corresponding IMO Strategy to address marine plastic litter from ships. Prior to joining the Marine Environment Division in September 2017, Mr. Kontogiannis was a technical officer in the Maritime Safety Division (MSD) (December 2013 to September 2017). During his time in MSD, Mr. Kontogiannis was co-Secretary to the Sub-Committee on Carriage of Cargoes and Containers (CCC) and he supported the Maritime Safety Committee during the approval and adoption of several codes and sets of amendments to IMO instruments, including amendments to SOLAS chapter VI relating to the verification of the gross mass of containers, the IMO/ILO/UNECE Code of Practice for the Safe Packing of Cargo Transport Units (CTU Code), and the International Code of Safety for Ships using Gases or other Low-flashpoint Fuels (IGF Code).



Capt. Panagiotis PANAGIOTAKOPOULOS

Training Manager
Olympic Shipping & Management S.A.

Panagiotis is an ex Hellenic Navy officer (Captain) and holds an MBA on Financial Management from Naval Postgraduate School of Monterey Ca. He served as a Commanding Officer of a submarine and in multiple national and multinational positions as Department Head and as Coordinator of Naval Education in the Hellenic Naval Academy. Now he is Training Manager of OLYMPIC SHIPPING & MANAGEMENT S.A.

Andreas MINAIDES

Environmental and Training Manager
Diana Shipping Services S.A.

Naval Architect and Marine Engineer of NTUA. Environmental and Training Manager of Diana Shipping Services S.A with previous experience in Consulting Company conducting Environmental Audits ashore and onboard in various types of Vessels.

Maria LAMBARDAKI

Project Developer for
Greece, Cyprus & Malta
Bureau Veritas

Maria is a Naval Architect and Marine Engineer. She graduated from National Technical University of Athens and subsequently obtained a Master's degree in Maritime Studies from University of Piraeus. She has an experience of over 10 years as a plan approval engineer. She was in charge of the coordination of the scrubber retrofit projects for the Greek fleet of Bureau Veritas and also for the Inventory of Hazardous Materials project liaising with Piraeus clients for the smooth and timely certification of their fleet. Her current position at Bureau Veritas is Project Developer for Greece Cyprus & Malta. Her task and major focus is on assisting clients to meet the growing challenges posed by new and upcoming regulations, by applying novel and often innovative technologies. Using the vast pool of competencies and knowledge within Bureau Veritas, she is providing technical advice to clients for new construction projects or other major projects.

Vassilios DIMOULAS

Technology & Innovation Director
SEEBA Zone
Bureau Veritas

Vassilios is a Naval Architect and Marine Engineer with an experience of over 20 years in providing classification and technical consulting services to the marine and offshore industry. He graduated from the National Technical University of Athens and subsequently obtained a Master's degree in Marine Engineering from University College London. After internship periods in Hellenic Shipyards and Troodos Shipping, he has worked for ABS Consulting for 8 years.
He joined Bureau Veritas in 2005, where he was in charge of the technical consulting services and subsequently of the plan approval department at the Piraeus office, responsible for the SEEBA Zone. His current position at Bureau Veritas is Technology & Innovation Director, SEEBA Zone.

* Lecturers appear in presentation order

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Outline | Webinar Learning Objectives

Oil Record Book Part I, Fundamentals and Proper Recording

The presentation will refresh knowledge on the Oil Record Book Part I by focusing on fundamental requirements, correct recording of activities and by spotting errors in wrong entries.

The main learning objectives are to familiarize participants with:

- Fundamentals of Oil Record Book Part I
- Proper records of ORB Part I entries
- Identification of ORB Part I common mistakes vs. applicable MEPC Circular

Management of oil residues, sewage and garbage on board: common problems and best practices (Incinerators, Oil water Separators, Sewage Treatment issues)

Practical guide for the ship and office personnel to comply with the requirements of MARPOL Annexes I, IV and V. Presentation includes common problems onboard and deficiencies raised during various inspections; best practices and suggestions, in a simple way, to protect

vessels and companies from violations and deficiencies with a strong focus on what is important related to a Port State Control.

The main learning outcomes of this training are to:

- Enhanced awareness of items that may lead to deficiencies during PSC inspections;
- Identify the items which form part of a MARPOL Annex I, V, VI inspection;
- Comprehend best practices on how to protect vessels and companies from MARPOL violations

3 years of 0.5 global sulphur limit: EGCS - regulatory update (new standards) and operational tips

Two and a half years ago, everybody was talking about IMO 2020 and the industry was swamped by predictions about what would – or rather could – happen. During this session, we will look at how the industry performed during the first three years and how things look now. Is it a job done, or are there still challenges ahead?

More specifically, attendees will learn about:

- Scrubber design basics: operating principles, types (pros and cons), materials and their importance
- Retrofit design issues
- Regulatory update: IMO EGCS Guidelines and regime for malfunctions
- Scrubber operations – problems faced: common failures and ways to overcome in the short and long run, spares strategies, refinement

Operational issues and best practices for NOx reduction technologies (systems and procedures)

This presentation details the regulatory requirements as well as the technologies available to address the issue of Nitrus Oxide emissions from marine diesel engines. Focus is given to the two dominant technologies for conformance with Tier III requirements, Selective Catalytic Reaction and Exhaust Gas Recirculation describing the principles as well as operational restrictions and concerns. Other options like water-based methods and use of LNG are also briefly covered.

Learning objectives:

- Understand NOx Regulatory framework
- Be informed about the available technologies for NOx Tier III compliance
- Focus more deeply on SCR and EGR, principles, differences and operational issues