



NEMO

NUCLEAR ENERGY
MARITIME
ORGANIZATION

MARITIME REGULATIONS FOR NUCLEAR APPLICATIONS AT SEA WORKSHOP

8 and 9 July 2026

Lloyd's Register - 71 Fenchurch Street, London EC3M 4BS

The workshop aims to consolidate current knowledge and recent desktop studies on the safe deployment of civil nuclear technologies at sea. Bringing together experts from the nuclear and maritime sectors, the session will highlight the latest maritime regulatory developments and their implications for enabling the design and operational safety of nuclear maritime applications. The session will provide an integrated view of how emerging nuclear solutions interface with maritime safety frameworks, enabling informed discussion on pathways for the safe, secure, and responsible adoption of nuclear technology at sea.

Agenda

DAY 1: Background on Maritime Industry, Classification and Flag Registration		8 July
Time	Topic	Presenter
PART 1: Background on Maritime Industry, Classification, and Flag Registration		
08:00 – 09:00	Coffee and registration	
09:00 – 09:05	Welcome by NEMO	Dr. Mamdouh El-Shanawany and Virginia Crosbie (NEMO)
09:05 – 09:10	Workshop structure	Meg Albrecht LR Facilitator
Overview of shipping industry roles and responsibilities		
09:10 – 09:30	Intro to: International Maritime Organization and Member States, Committees and Implementation	Ricardo Batista & Antti Noronen (IMO)
09:30 – 09:45	Intro to the Roles & Responsibilities of Flag Administrations/Registries	Taran Card (Bermuda Shipping and Maritime Authority)
09:45 – 10:00	Intro to Port state authorities (e.g., coast guards) roles & responsibilities	Suzanne Capper (UK MCA)
10:00 – 10:15	Roles and Responsibilities of Classification Societies, Class Rules/Compliance, and Ship Surveys	Ole Christen Reistad (DNV)
10:15 – 10:30	Q&A	Meg Albrecht LR Facilitator
10:30 – 10:45	Coffee Break	



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10:45 – 11:00	Ship Owners & Operator's Responsibilities	Ignatios Papoutsis (V Group)
11:00 – 11:15	Introduction to P&I, Maritime insurance, and relationships with maritime stakeholders. Why is insurance required by the Classification Societies?	Helen Barden & Mark Smith (NorthStandard)
11:15 – 11:30	Activities of NEMO Working Group 3	NEMO
11:30 – 11:45	Q&A	Meg Albrecht LR Facilitator
11:45 – 13:15 Lunch break		
Overview of offshore industry / coastal industry roles and responsibilities		
13:15 – 13:45	The role of Classification for Offshore: Class or technical assurance provider; Role of the Coastal State for Offshore Units	Sean Van Der Post (LR Offshore Segments)
13:45 – 14:00	Insurance & Liability for Offshore and Energy Installations	Paddy Ryan (UK P&I), Mark Popplewell (NRI)
14:00 – 14:15	Offshore Regulations: Brazil perspective Dr. Willian Vieira de Abreu from the Laboratory of Neutronic and Computational Analysis of Reactors (LANCER) at the Federal University of Rio de Janeiro (COPPE/UFRJ) will be presenting on behalf of Amazul.	Dr. Willian Vieira de Abreu (presenting on behalf of Amazul)
14:15 – 14:30	Q&A	Meg Albrecht LR Facilitator
14:30 – 14:45 Coffee Break		
Summary and application of goal-based standards / risk informed standards		
14:45 – 15:00	NEMO Roadmap to Update Nuclear Code, including IMO Goal-based standards	Rosa Vilariño (CORE POWER)
15:00 – 15:15	Role & Responsibility of IACS: Class Society mechanisms to implement IMO Codes and conventions	Minas Diacakis (IACS)
15:15 – 15:30	Classification initiatives to develop Rules and frameworks to integrate maritime & nuclear	Jez Sims (Lloyd's Register)
15:30 – 16:00	Q&A and Wrap-Up	Meg Albrecht LR Facilitator
16.00 End of Day One		
DAY 2: Future Nuclear Energy Maritime Applications (cont.)		9 July
Time	Topic	Presenter
PART 2: Future nuclear energy maritime applications (cont.)		
Establishing upstream and downstream support for maritime nuclear applications		
08.00 – 09.00	Coffee and registration	



09:00 – 09:15	Perspectives of Shipyards to meet Class and IMO Codes and Standards, and role of Owner's Engineer	AJ Anderson, Charlie Baker (WMG)
09:15 – 09:30	Shipyard requirements for equipment construction standards, quality assurance, environmental control, and prospects for nuclear-grade certification	Håvard Vollset Lien (Vard Group AS)
09:30 – 09:45	Q&A	Meg Albrecht LR Facilitator
09:45 – 10:00	Coffee break	
PART 3: Interactive workshop and identifying areas of collaboration		
Observations from Nuclear Industry Audience		
10:00 – 10:40	Summarize key takeaways from presentations and prompt feedback from nuclear industry audience on the gaps seen between nuclear and maritime regulatory regimes	Meg Albrecht (Lloyds Register)
Specific design considerations for ships and the process to resolve regulatory complexities: focus on ship design: What success looks like for a nuclear corridor?		
10:40 – 10:50	a. Scenario presentation: ship safety measures vs. nuclear security or safeguards provisions	Meg Albrecht (Lloyds Register)
10:50 – 11:20	b. Risk management strategies and summary of process to resolve issues within goal-based standards/risk-based design activities	Group Discussion
Specific design considerations for offshore or coastal power unit to resolve regulatory complexities: focus on marine location		
11:20 – 11:30	a. Scenario presentation: coastal power unit for shore power supply, environmental site safety assessment, stakeholder responsibilities for security and safeguards.	Meg Albrecht LR Facilitator
11:30 – 12:00	b. Proposed solution using goal-based standards and risk assessments to assign roles and responsibilities	Group Discussion
12:00 – 12:30	Q&A and Wrap Up	Meg Albrecht LR Facilitator
12:30 – 13:30	Lunch and End of Day Two	