



Online Programme for Training on International Management of ISM Code

OVERVIEW

The primary objective of this project is to enhance the effectiveness of the International Safety Management (ISM) Code in ensuring maritime safety and environmental protection. Despite the ISM Code's integration with ISO 9000 (Quality Management Systems) and ISO 14000 (Environmental Management Systems), its procedural nature does not inherently guarantee improved safety outcomes. Therefore, this proposal aims to develop an innovative online course that comprehensively covers ISM Code requirements alongside pertinent safety, environmental, and quality standards. This course will address the identified gaps and enhance the practical application of the ISM Code.

THE PARTNERS :



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



[HTTPS://WWW.LINKEDIN.COM/SHOWCASE/OPTIMISM-PROJECT](https://www.linkedin.com/showcase/optimism-project)



[HTTPS://WWW.FACEBOOK.COM/PROFILE.PHP?ID=61559472411154](https://www.facebook.com/profile.php?id=61559472411154)



[OPTIMISMPROJECT.EU](https://optimismproject.eu)

RESULTS OF ACTIVITY 1

This report examines maritime safety management practices under the ISM Code, emphasizing:

- **Organizational Structure:** Clear structures enhance decision-making and accountability.
- **Risk Assessment:** Multi-level risk assessments are crucial for hazard identification.
- **Responsibility Distribution:** Companies are ultimately responsible for safe operations.
- **Safe Manning:** Adequate crew numbers depend on qualifications, training, and specific ship needs.
- **Management Oversight:** Inadequate policies and oversight often lead to safety management failures.



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MULTIPLIER EVENT IN BARCELONA

On April 18th, the first Multiplier Event of the project were held in Barcelona. The Multiplier Event in Barcelona, hosted by UPC, was a resounding success for the OPTIMISM project. Attended by key stakeholders from the maritime industry, including ANAVE, Balearia, IMO, DNV, and the Spanish Ministry of Transportation, the event effectively disseminated project objectives and outcomes. Participants engaged in insightful discussions on ISM Code implementation, fostering collaboration and sharing valuable experiences. Feedback highlighted the event's organization and content quality, with minor concerns on duration. Overall, the event showcased a shared commitment to enhancing maritime safety and welfare, serving as a platform for knowledge exchange and collaboration among diverse stakeholders.



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PLANNED DISSEMINATION ACTIVITIES

The preparation of high-quality papers and their approval for presentation and inclusion in major international conferences is an indication of the project progress and success. The following are the details of dissemination activities to-date.

MT'24 Paper – Safety at Sea and Maritime Environment Protection with Special References to Human Factors. This paper made specific references to key safety issues at sea with intention of developing an e-learning course on ISM Code implementation, as it is, with a view to help companies, particularly smaller ones to develop high quality safety procedures.

IAMUC'24 Paper - Pareto Analysis of ISM Code Deficiencies. The main purpose of this paper was to highlight the importance of reviewing the outcome of ISM external audits and port inspections as well as analysing accident reports with a view to improve safety at sea and marine environment protection. In reviewing the root causes and contributing factors to the accidents, audit non-conformities and inspection deficiencies, the paper made an attempt to find those with highest frequency of occurrence by applying Pareto analysis. This paper concludes with a taxonomy model identifying the key factors contributing to accidents, non-conformities noted by Administration or ROs, as well as deficiencies observed by PSCOs when inspecting ships.

