LIBEROASSURANCE

CERTIFICATE

Date of Issue: 27/11/24
Certificate ID: 9ZDV117vqj
CPD Points: 18
ECTS/ECVET Points: 0.6

This is to certify that

Pit Lorenz

Successfully completed the course entitled:

Accident/Incident Investigation, Risk & Root Causes

This course (including exam) is designed to provide knowledge needed for Accident or Incident Investigation including related Risk & Root Causes. The course complies with IMO Res. A849(20) - Code for the Investigation of Marine Casualties & Incidents as amended by ResA884(21) and other Maritime Industry guidance.

The course includes the following:

- **Accident/Incident Investigation Introduction**
  Key Terms - Accident preventive actions - Risk management sequence of actions - Marine Accident Investigation - Type of Casualties - Man overboard- example
- **Incident Investigation - Event & Causal Factors and Root causes**
  Incident Investigation Methodology - Events and Causal Factors (ECF) - Find Root Causes
- **Accident / Incident Investigation Analysis**
  Why incident investigation? - Effects on Safety Management Systems - Incident Investigation – Overview - Incident Investigation key steps - The Investigation Report
- **Accident Investigator**
  Steps for an Accident Investigator - Accident Investigator's Competency - Accident Investigator's Tools - Accident Investigator's Behavior - Accident Investigator's Report
- **Common Root Cause Models**
  HSG65 approach - SCAT (Systematic cause analysis technique) - MORT (Management oversight risk tree) - Simple to Follow Proposal - Timeline of an Accident - Final Guidance for Accident Investigators - Witness Sample Questions - Subject of Complain sample Questions

Note: This Certificate is valid for 5 years. Refresh course may be needed upon relative regulation update.

Recognized by:	Antigua & Barbuda Department of Marine Services and Merchant Shipping
Certificate No.:	RCTC 01-2024
Date:	17th of January 2024

LIBEROASSURANCE TRAINING CENTRE

Chrysi X. Lymperopoulos
Training Manager

UNIV AB
CPD Training Centre
Cert. No. GR-CPD-19052022

Contact Details

2 Efplias Street, Piraeus, 18537, Greece
Tel: +30 210 4100535 | Email: training@liberoservices.org | W: www.liberoassurance.org