



1. Ice Navigation (ICE NAV)

Duration: Two days

Conducted at: Mumbai

Objective:

The trainees who successfully complete this course will have gained theoretical knowledge and experience in navigating ships under various conditions in the ice infested waters and will develop practical skills in the safe operation and navigation of ships in cold and subzero climates.

In particular, trainees will gain:

A greater awareness of managing risks associated with cold climate and subzero climate.

Familiarization with IMO guidelines for ships operating in Arctic ice covered waters.

An awareness of operation and navigation technique in ice

A greater awareness and understanding of a good interactive communication style and benefit of building up a common shared mental model of the planned passage.

Subject Areas:

Introduction to Ice navigation

Ice physics

Interpretation of ice chart

Vessel preparation for ice/ Navigation in ice

Exercise (using the information sheet, describe the passage and anticipated type & condition of ice)

Entering in ice field (Simulator training)

Classification of ice classed Ship and Ice damage

Construction of vessel for Ice

Ice related terms

Crew protection

Cold weather hazards

Precautions & procedures for Deck & Engine in ice areas

Ship Manoeuvring in ice/ Breaking ice (Simulator training)

Following ice convoy (Simulator training)

USP:

Upgraded software available for better hands on training in the ice region.

Candidates are allowed ample time in the Full Mission Bridge simulator, where they can visually distinguish between different types of ice and navigating through them.

Eligibility:

This course is for certified navigating officer of any rank, preferably chief officers and Master.