WHAT DOES THE POLAR CODE MEAN FOR SHIP SAFETY?

EQUIPMENT



WINDOWS ON BRIDGE Means to clear melted ice, freezing rain, snow, mist,

spray and condensation



LIFEBOATS
All lifeboats to be partially or totally enclosed type



CLOTHING I
Adequate thermal
protection for all
persons on board



CLOTHING II
On passenger ships, an immersion suit or a thermal protective aid for each person on board



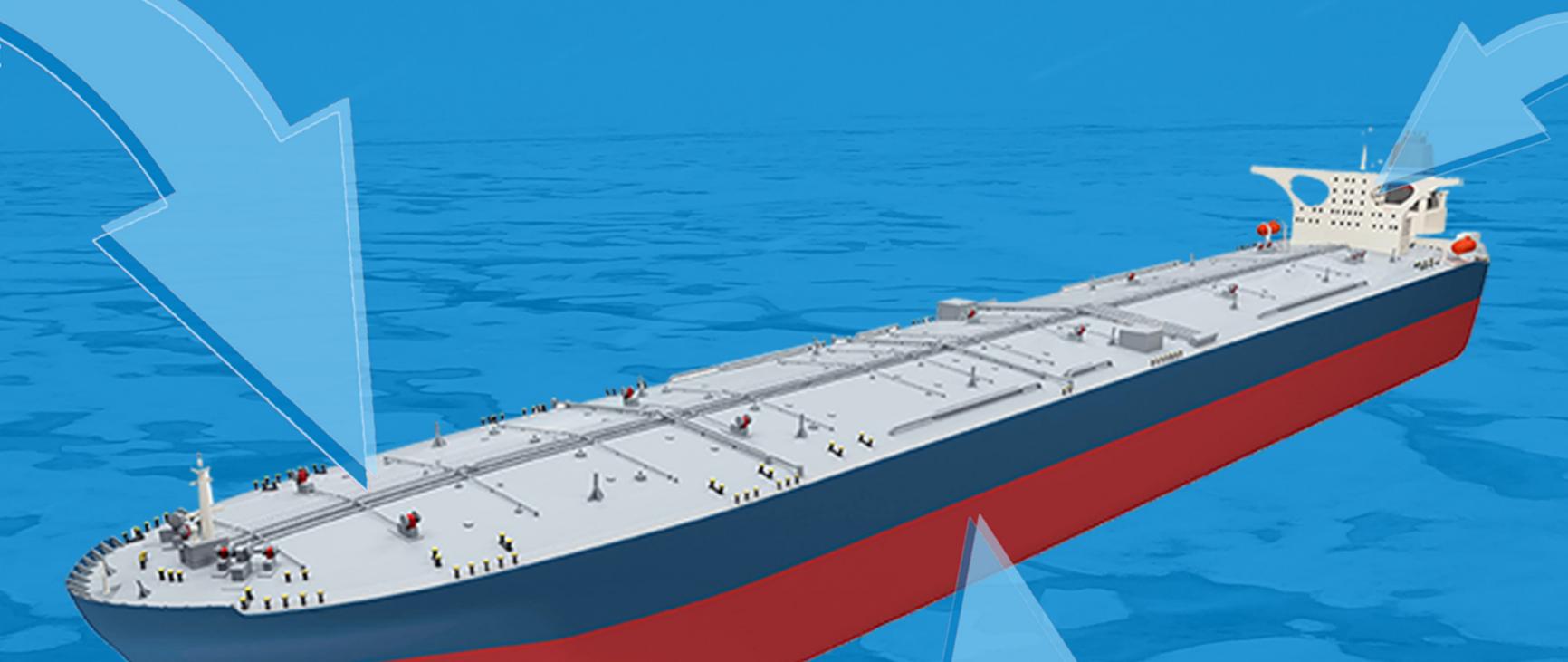
ICE REMOVAL

Special equipment for ice removal: such as electrical and pneumatic devices, special tools such as axes or wooden clubs

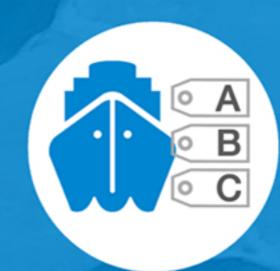


FIRE SAFETY

Extinguishing equipment operable in cold temperatures; protect from ice; suitable for persons wearing bulky and cumbersome cold weather gear



DESIGN & CONSTRUCTION



SHIP CATEGORIES

Three categories of ship
which may operate in Polar
Waters, based on:
A) medium first-year ice
B) thin first-year ice
C) open waters/ice conditions
less severe than A and B



INTACT STABILITY

Sufficient stability in intact condition when subject to ice accretion and the stability calculations must take into account the icing allowance



MATERIALS

Ships intended to operate in low air temperature must be constructed with materials suitable for operation at the ships polar service temperature



STRUCTURE

In ice strengthened ships, the structure of the ship must be able to resist both global and local structural loads

OPERATIONS & MANNING



NAVIGATION Receive information about ice conditions



CERTIFICATE & MANUAL

Required to have on board a Polar Ship Certificate and the ship's Polar Water Operational Manual



TRAINING

Masters, chief mates and officers in charge of a navigational watch must have completed appropriate basic training (for open-water operations), and advanced training for other waters, including ice

BACKGROUND INFO



THE INTERNATIONAL CODE FOR SHIPS OPERATING
IN POLAR WATERS WAS ADOPTED NOVEMBER
2014 BY THE IMO MARITIME SAFETY COMMITTEE



IT APPLIES TO SHIPS OPERATING IN ARCTIC AND ANTARCTIC WATERS



THE AIM IS TO PROVIDE FOR SAFE SHIP
OPERATION AND THE PROTECTION OF THE POLAR
ENVIRONMENT BY ADDRESSING RISKS PRESENT
IN POLAR WATERS AND NOT ADEQUATELY
MITIGATED BY OTHER INSTRUMENTS

