

Registration code – NAUT GSK3

GENERAL SHIP KNOWLEDGE, LEVEL 3 (GSK 3)

Duration – 120 hours

Course description

This is a course designed to provide mariners with a basic knowledge of the following acts, regulations, codes and orders:

- Arctic Shipping Pollution Prevention Regulations;
- Ballast Water Control and Management Regulations;
- Boat and Fire Drill and means of exit Regulations;
- Canada Labour Code;
- Canada Shipping Act-2001;
- Fire Safety Regulations;
- Life-Saving Equipment Regulations;
- Marine Occupational Safety and Health Regulations;
- Marine Personnel Regulations;
- Pollutant Discharge Reporting Regulations, 1995;
- Regulations for Prevention of Pollution from Ships and for Dangerous Chemicals;
- Safety and Health Committees and Representatives Regulations;
- Shipping Safety Control Zones Order;
- Vessel Certificates Regulations

Required for the following certificates of competencies:

- Chief Mate 500T, Domestic
- Watchkeeping Mate, Near Coastal
- Watchkeeping Mate
- Master 150T, Domestic

Learning objectives/competencies

Subject	Knowledge required
Competence:	Ensure compliance with pollution-prevention requirements
Knowledge of the precautions to be taken to prevent pollution of the marine environment	Knowledge of precautions to be taken during fueling or oil transfer; Precautions to be taken to prevent pollution of the marine environment by oil, sewage, garbage, antifouling system or other pollutant and air pollution; Take appropriate action in response to pollution incidents onboard and found at sea; Importance of proactive measures to protect the marine environment.
Anti-pollution procedures and all associated equipment	Ability to describe the content and key points in a typical shipboard oil pollution emergency plan (SOPEP); Basic knowledge of anti-pollution equipment required by MARPOL Convention and Canadian regulations; Basic knowledge of Garbage management plans.

Knowledge of the pollution prevention requirements as contained in the Canadian Regulations	Basic knowledge of the content, application and ability to use the following Canadian Regulations: <i>Regulations for Prevention of Pollution from Ships and for Dangerous Chemicals; Arctic Shipping Pollution Prevention Regulations; Shipping Safety Control Zones Order.</i> Knowledge of the statutory requirements to report pollution incidents as contained in the <i>Pollutant Discharge Reporting Regulations, 1995. Ballast Water Control and Management Regulations</i>
Competence:	Monitor compliance with legislative requirements
Basic working knowledge of the relevant IMO conventions concerning safety of life at sea and protection of the marine environment	Awareness of the layout, application and content of the following conventions and codes: International Convention for the Prevention of Pollution from ships, 1973, and the Protocol of 1978 relating thereto (MARPOL 73/78) and its Annexes; International Convention for the Safety of Life at Sea, 1974 as amended (SOLAS); The International Safety Management (ISM) Code; International Ship and Shore Facility Security (ISPS) Code; The International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1995 (STCW).
Knowledge of the Canada Shipping Act-2001	Canada Shipping Act (CSA): Basic knowledge of the content, application and ability to use the Canada Shipping Act-2001, Part 1 to 6, 7 and 8.
Knowledge of Canadian Regulations and vessels documentation	Basic knowledge of the content, application and ability to use the following Regulations: <i>Fire and Boat Drills Regulations;</i> <i>Life-Saving Equipment Regulations;</i> <i>Vessel Fire Safety Regulations;</i> <i>Vessel Certificates Regulations;</i> <i>Marine Personnel Regulations.</i>

Subject	Knowledge required
Knowledge of management of personnel	<p>Knowledge of the basic safety and familiarization training required for all members of the complement; Knowledge of the organization and training of crews for emergencies and related drills; Emergency procedure plans and station bills for tankers, passengers and cargo vessels; Practical knowledge of organization and training of the crew for routine operations and maintenance.</p> <p>Ability to apply task and workload management including:</p> <ol style="list-style-type: none"> Planning and coordination; Personnel assignment Time and resource constraints Prioritization <p>Knowledge and ability to apply effective resource management:</p> <ol style="list-style-type: none"> Allocation, assignment, and prioritization of resources; Effective communication onboard and ashore; Decision reflect consideration of team experience; Assertiveness and leadership including motivation; Obtaining and maintaining situational awareness. <p>Knowledge and ability to apply decision making techniques:</p> <ol style="list-style-type: none"> Situation and risk assessment; Identify and consider generated options; Selecting course of action; <p>Evaluation of outcome effectiveness.</p>

Competence:	Marine Occupational Safety and Health
Comply with Marine Occupational Safety and Health legislation	Canada Labour Code Basic knowledge of the content, application and ability to use the Canada Labour Code, the Marine Occupational Safety and Health Regulations and the Safety and Health Committees and Representatives Regulations.