

Bridge Resource Management and Voyage Assurance Training Course

3 – 7 January 2027
Toronto

AGILE LEADERS
Training Center

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Ref: 1945_244312 **Date:** 3 – 7 January 2027 **Location:** Toronto **Fees:** 16000 Euro

Overview

Bridge Resource Management and Voyage Assurance Training Course is a one-week course for masters, deck and watchkeeping officers, pilots, superintendents, and maritime safety functions who leave with a Bridge Team Performance and Voyage Assurance File. Participants apply bridge resource management through closed-loop communication, situational awareness, shared mental models, workload control, pilot-master exchange, and structured decision-making. The course connects voyage planning with error trapping, emergency coordination, and debriefing. Agile Leaders Training Center presents bridge resource management and voyage assurance.

Who Should Attend

- Bridge-command functions responsible for voyage oversight, team direction, and navigational decisions
- Watchkeeping functions responsible for monitoring, position verification, communication, and escalation
- Pilotage functions responsible for information exchange, local navigation input, and shared execution
- Vessel-supervision functions responsible for procedures, competence, assurance, and learning
- Maritime safety functions responsible for human factors, incident prevention, and operational review
- Training functions responsible for scenario observation, feedback, and team-performance development

The course assumes participants perform or supervise navigational-watch activities, and it leaves out basic navigation theory, ship-handling qualification, equipment-type training, port operations, and certification assessment.

Departments and Industries

The course supports departments and industries that manage bridge teamwork and voyage assurance.

- Merchant shipping and vessel operations
- Offshore support and marine-energy services
- Passenger, ferry, and cruise operations
- Pilotage and harbor navigation services
- Ship management, marine assurance, and fleet safety
- Maritime academies and simulator-training functions

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Learning Objectives

By the end of this course, participants will be able to:

- Apply bridge resource management roles and behaviors
- Use closed-loop communication and challenge-response methods
- Analyze situational awareness, workload, fatigue, and error traps
- Build passage briefings and pilot-master exchange records
- Evaluate decisions and emergency team coordination
- Prioritize debriefing findings and voyage-assurance actions

Course Agenda

Day 1: Establish Bridge Team Control

- IMO Model Course 1.22 Bridge Resource Management Context
- Bridge Team Role, Authority, and Responsibility Map
- Leadership, Followership, and Assertiveness Behavior Grid
- Shared Mental Model and Team Experience Register
- Watch Handover and Command-Transfer Checklist

Day 2: Communicate and Maintain Awareness

- Closed-Loop Communication and Read-Back Protocol
- Challenge-and-Response Escalation Ladder
- Situational Awareness Perception-Projection Map
- Workload, Task Allocation, and Priority Board
- Fatigue Indicator and Fitness-for-Watch Discussion Sheet

Day 3: Plan and Coordinate the Voyage

- Passage Plan Briefing and Contingency Card
- Pilot-Master Information Exchange Record
- Bridge Procedures Guide Checklist Application
- Navigation Information Cross-Check and Error-Trap Matrix
- High-Workload Bridge Manning and Support Plan

Day 4: Decide, Respond, and Learn

- Operational Decision Point and Option-Evaluation Log
- Abnormal Situation Recognition and Escalation Trigger Map
- Bridge Emergency Coordination and Communication Plan
- Scenario Observer Behavior and Performance Checklist
- Structured Debrief and Lessons-to-Action Record

Day 5: Practice Bridge Team Assurance

- Suggested Exercise: Conduct a Watch Handover and Team Briefing
- Suggested Exercise: Apply Closed-Loop Communication and Challenge-Response
- Suggested Exercise: Manage Pilotage Workload and Information Exchange
- Suggested Exercise: Debrief an Abnormal Voyage Scenario
- Capstone Exercise: Complete the Bridge Team Performance and Voyage Assurance File

Practical Exercises

The course uses suggested activities to turn observed bridge behaviors into traceable voyage controls.

- Suggested activity: allocate bridge roles, transfer command, and test a shared mental model before a critical voyage phase.
- Suggested activity: detect communication failures, workload imbalance, fatigue indicators, and loss of situational awareness in a scenario.
- Suggested activity: conduct a pilot-master exchange and challenge an unsafe assumption using the escalation ladder.
- Suggested activity: debrief an emergency response and assign voyage-assurance actions with owners and evidence.

FAQs

Who suits bridge resource management and voyage assurance, and what does it assume?

Bridge resource management suits masters, deck and watchkeeping officers, pilots, superintendents, safety professionals, and maritime trainers. It assumes operational familiarity with navigational watches and bridge procedures.

How does bridge resource management differ from navigation or ship-handling training?

Bridge resource management develops coordination, communication, situational awareness, workload control, decision-making, challenge, and debriefing. Navigation and ship-handling training concentrates more directly on technical navigation knowledge, vessel response, and maneuver execution.

Why is closed-loop communication important in bridge resource management?

Closed-loop communication makes an instruction, acknowledgement, interpretation, and observed completion visible to the team. It helps expose misunderstanding, missed action, and conflicting information before they become hidden errors.

How does bridge resource management support pilot-master exchange?

Bridge resource management makes the exchange a shared operational briefing covering passage intentions, roles, limits, contingencies, communication, monitoring, and challenge. The pilot joins the bridge team without removing the ship team's monitoring responsibility.

What should a bridge resource management debrief record?

A bridge resource management debrief should record observed behaviors, information flow, decisions, workload, situational awareness, error traps, successful controls, improvement actions, owners, and follow-up evidence.

Conclusion

Participants take back a Bridge Team Performance and Voyage Assurance File linking roles, communication, awareness, workload, voyage briefings, decisions, scenarios, and debriefing. It changes informal bridge teamwork into observable and reviewable operating practice. The file supports watch preparation, pilotage coordination, emergency learning, and fleet assurance.