



MARITIME SIMULATION AND RESOURCE CENTRE

Corporation of Lower St. Lawrence Pilots

sim-pilot.com

RESTRICTED VISIBILITY NAVIGATION FOR PILOTS

(RV-010-007-ENG)

Objectives: At the conclusion of the training, Pilots will have completed the following objectives:

1. In a Full Mission Bridge Simulator, tune a radar for best effect given the capabilities of the radar system and the environmental conditions;
2. In a Full Mission Bridge Simulator, set up a Radar/ARPA unit so that the equipment provides the best cues for meeting situations and overall channel during periods of restricted visibility;
3. In a Full Mission Bridge Simulator, use a Radar/ARPA in conjunction with the Pilot's PPU equipment to best assess and monitor meeting situations in the Houston ship channel;
4. In a classroom environment, exchange methods and best practices for safe piloting during meeting situations in restricted visibility. Situation awareness in the Houston ship.

Duration: 7 hours (1 day)

Schedule: Begins at 8:30
This schedule may be altered depending on the group and/or certain constraints.

Teaching strategies used: Basically a hands-on approach. Brief theoretical explanations PowerPoint presentations and exercises on the Full Mission Bridge Simulator.

Training activities: Theory followed by simulation exercises. Discussions among participants recommended during exercises.

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Proposed Timetable and Brief Description of Development Activities

- Instructor presentation
- Course presentation
 - layout and timetable
- Simulator briefing
 - cabin layout and instruments
- Subject overview
 - Basic Radar settings
 - Practical exercise
 - ARPA overview
 - Understanding AIS
 - Radar vs. AIS
 - Demo
 - Collision avoidance
 - Practical exercises
- Conclusion
 - Discussions