

Tractor Tug Capabilities and Utilization For Pilots and Docking Masters

COURSE DESCRIPTION

This is a three-day course for pilots and docking masters who will use tractor-type tugs. Its goal is to provide a firm understanding of the tug capabilities and limitations of Voith-Schnieder Propulsion; Azimuthing Bow Driven Tugs; Azimuthing Stern Driven Tugs and Combi-tugs. The course begins with an introduction to tractor type tugs and proceeds through tug placement and the effect on the assisted vessel. Each lesson is reinforced by practical application exercises performed in a shiphandling simulator. Approximately half the course is spent in the simulator.



The course is designed around major ship maneuvering evolutions where tugs would be employed such as arrival, departure, maneuvering in channels, and ship escort. The simulator portion of the course can be tailored to specific vessels and ports.



COURSE SCHEDULE

	Day 1	Day 2	Day 3
Morning	Introduction to non – conventional tug types	Environmental Effects on Tug Handling	Tug Capabilities and Limitations (Azimuthing Stern Driven Tugs)
		Tug Capabilities and Limitations (Voith-Schnieder)	Tug Capabilities and Limitations (Combi-tugs)
	Tug Placement Theory	Tug Capabilities and Limitations (Azimuthing Bow Driven Tugs)	Tug Capabilities and Limitations (Tug Interaction)
	Lunch	Lunch	Lunch
Afternoon	Simulation & Debrief	Simulation & Debrief	Simulation & Debrief
			Course Review/ Critique

COURSE REQUIRMENTS

This course is for pilots and docking masters experienced with conventional tugs who will be using tractor tugs

An end of course evaluation will document student performance in meeting the objectives of the course.



MARITIME SIMULATION INSTITUE

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