



# CALHOON MEBA ENGINEERING SCHOOL

## Chief Mate and Master Upgrade Assessments Required by USCG



Control Sheet No.	Task	Where to Complete Assessment
M-1-1A	Create a Navigation Plan	Voyage Planning & ECDIS taken within a year
M-1-1B	Position Reporting Systems	Voyage Planning & ECDIS taken within a year
M-1-2A	Latitude by Ex-Meridian (Sun)	Shipboard
M-1-2B	Latitude by Meridian Transit (other than sun)	Shipboard
M-1-2C	Star Identification	Shipboard
M-1-2D	Star Selection	Shipboard
M-1-2E	LOP from High Altitude Sight	Shipboard
M-1-2F	Celestial Navigation Fix	Shipboard
M-1-2G	Great Circle Sailing	Voyage Planning & ECDIS taken within a year
M-1-2H	Mercator Sailing - Course and Distance	Voyage Planning & ECDIS taken within a year
M-1-2I	Mercator Sailing - Final Position	Voyage Planning & ECDIS taken within a year
M-1-3A	Position Fix by Terrestrial Bearings	Shipboard
M-1-4A	GPS - Waypoint Entry	Voyage Planning & ECDIS taken within a year
M-2-1A	Determine Magnetic Compass Deviation	Voyage Planning & ECDIS taken within a year
M-2-1B	Construct a deviation table	Shipboard
M-2-1C	Amplitude of the Sun	Voyage Planning & ECDIS taken within a year
M-2-1D	Apply Compass Error to Magnetic Course	Voyage Planning & ECDIS taken within a year
M-2-1E	Apply Compass Error to Magnetic Bearings	Voyage Planning & ECDIS taken within a year
M-2-1F	Apply Compass Error to Gyrocompass course	Voyage Planning & ECDIS taken within a year
M-3-1A	Coordinate Search and Rescue Operations	Adv. Shiphandling or Voyage Planning & ECDIS
M-4-1A	Identify Vessels by Light Configurations	Advanced Watchkeeping
M-4-1B	Identify Vessels by Day Shapes	Advanced Watchkeeping
M-4-1C	Apply the Rules of the Road to Avoid Collision	Advanced Watchkeeping
M-4-2A	Determine Risk of Collision	Adv. Watchkeeping or Voyage Planning & ECDIS
M-5-1A	Operate ARPA Controls and Functions	Advanced Watchkeeping
M-5-1B	Determine Target Data	Advanced Watchkeeping
M-5-1C	Parallel Indexing	Advanced Watchkeeping
M-5-1D	Bridge Resource Management	Advanced Watchkeeping
M-6-1A	Weather Forecast (24 hours)	Advanced Meteorology
M-6-2A	Identify Weather Fronts	Advanced Meteorology
M-6-3A	Calculate Height of Tide	Shipboard
M-6-3B	Calculate Tidal Current	Shipboard
M-6-3C	Calculate Time of Height of Tide	Shipboard
M-7-1A	Actions After Grounding	Advanced Shiphandling
M-7-2A	Re-Floating a Grounded Ship	Advanced Shiphandling
M-7-3A	Prepare for Collision	Advanced Shiphandling
M-7-3B	Actions After a Collision	Advanced Shiphandling
M-7-4A	Emergency Steering	Advanced Shiphandling
M-7-5A	Emergency Towing	Advanced Shiphandling
M-8-1A	Maneuver to Embark / Disembark a Pilot	Advanced Shiphandling
M-8-2A	Transit Restricted Waters	Advanced Shiphandling
M-8-3A	Constant Rate of Turn Techniques	Advanced Shiphandling
M-8-4A	Shallow Water Effects - Squat	Advanced Shiphandling
M-8-5A	Shallow Water Effects - Passing Vessels	Advanced Shiphandling
M-8-6A	Vessel Docking - Starboard Side To	Advanced Shiphandling
M-8-6B	Vessel Docking - Port Side To	Advanced Shiphandling
M-8-7A	Turn Vessel with Tug Assistance	Advanced Shiphandling
M-8-8A	Anchoring	Advanced Shiphandling
M-8-9A	Dragging Anchor	Advanced Shiphandling

Control Sheet No.	Task	Where to Complete Assessment
M-9-1A	Determine GM - Arrival	Advanced Cargo Handling or Advanced Stability
M-9-1B	Determine GM - Flooded Engine Room	Advanced Cargo Handling or Advanced Stability
M-9-1C	Determine GM - Flooded Hatch	Advanced Cargo Handling or Advanced Stability
M-9-1D	Determine Sheering Forces and Bending Movement	Advanced Cargo Handling or Advanced Stability

## Additional Requirements

STCW Section	Task / Competence	Where to Complete this Requirement
B-VIII/2 parts 3-1	Guidance on keeping a navigational watch	Bridge Resource Management Course
Table A-II/1	Plan and conduct a passage and determine position: through knowledge of and ability to use ECDIS	ECDIS Course
Table A-II/2	Determine position and the accuracy of resultant position fix by any means: terrestrial, electronic or celestial observation	ECDIS Course
Table A-II/2	Maneuver and handle a ship in all conditions: ability to determine propulsion characteristics of ships with special reference to stopping distances	Operating Principles of Marine Power Plants Course
Table A-II/2	Organize and manage the crew: a knowledge of personnel management, organization and training. Related international conventions and legislation	Ships Management - Safety Management Course

USCG Policy Letter Competence	Assessments		Where to Complete this Requirement
	Number	Task	
Use of radar and ARPA to maintain the safety of navigation	OICNW 3-2A	Set up and maintain ARPA display	ARPA Course / Refresher
	OICNW 3-2B	Manual Target Acquisition	ARPA Course / Refresher
	OICNW 3-2C	Establish an exclusion area	ARPA Course / Refresher
	OICNW 3-2D	Set Vector Characteristics	ARPA Course / Refresher
	OICNW 3-2E	Designate Targets	ARPA Course / Refresher
	OICNW 3-2F	Cancel Targets	ARPA Course / Refresher
	OICNW 3-2G	Target History	ARPA Course / Refresher
	OICNW 3-2H	Establish CPA and TCPA	ARPA Course / Refresher
	OICNW 3-2I	Establish Alarm Area	ARPA Course / Refresher
	OICNW 3-2J	Trial Maneuver	ARPA Course / Refresher
	OICNW 3-2K	Switch Stabilization Modes	ARPA Course / Refresher
	OICNW 3-2L	Navigation Lines	ARPA Course / Refresher
	OICNW 3-2M	Determine Set and Drift	ARPA Course / Refresher
Visual Signaling	OICNW 4-1A	Flashing Light	Flashing Light Course / Refresher