



CAPCA

Chesapeake Area Professional Captains Association
1009 Bay Ridge Avenue PMB 156
Annapolis, MD 21403
www.capca.net 410-267-7651

Continuing Education Course Outline

Title of Course: CAPCA Practical Marine Radar
Date of Course: Sunday, April 14, 2013 - 9:00am to 4:00pm
Course Location: Annapolis Elks Lodge #622, Edgewater, MD 21037

Capt. Rick Perri - National Seafarers Academy

0900 – 0920: Welcome: Opening Statements & Introductions

0920 – 0930: Radar Principals and Display Lesson/Movie

0930 – 0945: Radar Tuning & Controls Lesson/Movie
(Rain and Sea Clutter, SHL, EBL, VRM, etc.)

0945 – 1000: Radar Display Modes (North-up & Head-up) Lesson/Demo

1000 – 1015: Break - Networking

1015 – 1045: Relative Motion of Targets Lesson/Demo
(Trail, Echo, Plot, Wake techniques)

1045 – 1100: Modern Radar Features Lesson
(Radar overlay, Pulse vs. Broadband Radar)

1100 – 1115: Break – Networking

1115 – 1200: Radar Navigation & Piloting Lesson/Demo/
Simulator
(Fix, Avoid Hazards, Channels, Coast Line,
Buoy Line, Harbor Entrance, Anchorage)

1200 – 1300: Lunch – Networking

1300 – 1315: Radar Collision Avoidance and Initial Actions Lesson/Movie
(Long Range Scanning, EBL & VRM techniques)

1315 – 1345: Closest Point of Approach (CPA) – Distance and Time Lesson

1345 – 1400: Direction and Speed of Relative Motion (DRM, SRM) Lesson

1400 – 1415: Change of Course or Speed – New DRM & SRM	Lesson
1415 – 1430: Break - Networking	
1430 – 1445: Radar Collision Avoidance (Head-up & Course-up) (Determine Risk of collision, Distance at CPA, DIW & Parallel & Crossing Contacts)	Lesson/Demo/ Simulator
1445 – 1500: Radar Tracking of Weather	Lesson
1500 – 1530: Mini Automatic Radar Plotting Aid	Lesson/Movie
1530 – 1600: Review, Group Discussion & Networking	