



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 Basic Marine Electricity
Date of Course: Saturday, March 29, 2014 - 9:00am to 5:50pm
Course Location: Annapolis Elks Lodge #622, Edgewater, MD 21037

Instructor: Captain John McDevitt

0830 – 0900: Check-in Registration & Continental Breakfast

0900 – 0950: Marine Electrical Basics

0950 – 1000: Break – Networking

1000 – 1050: Wire / Conductors
(Selection, Identification, Routing and Support, Connections / Termination)

1050 – 1100: Break - Networking

1100 – 1145: Circuit Protection
(Fuses, Circuit Breakers, Size, Placement)

1145 – 1200: Tools of the Trade
(Multi Meters (DVOM), AC Circuit Analyzers, Inductive Amp Meters,
Wire Splicing Tools, Crimping Tools)

1200 – 1300: Lunch – Networking

1300 – 1400: DC Electricity
(Batteries, Battery Installations, Accessories, Charging Equipment,
Starter Motor Circuits)

1400 – 1520: AC Electricity
(AC Safety, Ground Fault Protection, Multiple Sources of AC Power,
Inverters Generators)

1520 – 1530: Break - Networking

1530 – 1700: Stray Current Electricity

(Stray DC Current, Dissimilar Metals, Cathodic Protection
Stray AC Current, Electric Shock Drowning,
Ground Fault Interruption and Monitoring)

1700 – 1730: Review, Group Discussion & Networking

Instructor Bio:

Captain John McDevitt: Actively participates in marine industry standards writing activities with both the ABYC and the NFPA. He is the Chairman for the NFPA 302 Pleasure and Commercial Watercraft Committee and a Technical Committee Member for NFPA 303 Marinas and Boatyards.

He has written many industry articles on marine electricity and marine fire protection and frequently speaks about both topics at venues such as Trawlerfest, IBEX, The International Marinas and Boatyard Conference, etc. He teaches marine electricity for the ABYC to boat builders, service organization and the US Coast Guard.

John holds eight ABYC Marine Certifications and is an ABYC Master Technician. He has held a 100 Ton US Coast Guard Masters License for over 20 years. He is a surveyor and a member of the Society of Accredited Marine Surveyors (SAMS). He performs electrical surveys aboard boats focusing on corrosion and stray current problems.”

He participates in sales and service for Bluewater Yacht Sales in the Kent Narrows office and has been a CAPCA member for over 10 years.