



P-24 ELECTRIC/ELECTRONIC PROPULSION CONTROL SYSTEMS

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P-24 ELECTRIC/ELECTRONIC PROPULSION CONTROL SYSTEMS

Based on ABYC's assessment of the existing technology, and the problems associated with achieving the goals of this standard, ABYC recommends compliance with this standard for all boats, associated equipment, and systems manufactured after July 31, 2008.

24.1 PURPOSE

This standard is a guide for the design, construction, testing, and installation of systems for electric/electronic remote control of forward and reverse thrust, speed, and trim/tilt of propulsion machinery on boats.

24.2 SCOPE

This standard applies to wired electric/electronic remote control systems for propulsion machinery on boats, and to the marking and orientation of the trim/tilt adjustment mechanisms.

EXCEPTIONS:

- 1. Electrical on/ off switches addressed by [P-14, Propulsion Control Systems](#).**
- 2. Electric propulsion motors that produce less than 115 pounds (512 Newtons) thrust.**
- 3. Hull mounted trim plane systems.**
- 4. Bow and/or Stern thruster systems.**
- 5. Jet Boats**
- 6. Personal Water Craft**

NOTES:

- 1. There is no ABYC standard for wireless control systems.**
- 2. For Jet Boats [See ABYC P-23, Steering and Controls for Jet Boats](#).**

24.3 REFERENCED ORGANIZATIONS

ABYC - American Boat & Yacht Council, Inc., 613 Third St., Suite 10, Annapolis, MD 21403. Phone: (410) 990-4460, Fax: (410) 990-4466 Web Site: www.abycinc.org

SAE - Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, PA 15096 Phone: (724) 776-4841 Fax: (724) 776-5760 Web Site: www.sae.org

ASTM - American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2951 Phone: (610) 832-9585 Fax: (610) 832-9555 Web Site: www.astm.org

Military Specifications - Military specifications may be obtained from the Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120

24.4 DEFINITIONS

For the purpose of this standard the following definitions apply.

Command station- The station that is in active control of the boat's propulsion system.

Console - The structure that contains the steering helm, shift and throttle controls, switches, and instruments for use in the operation of the boat.