



ABYC A-33 July 2018

**Equipment Division Standard
Control Systems Project Technical
Committee**

The ABYC Standards and Technical Information Reports for Small Craft are the product of a consensus of representatives of government, industry and public sectors. It is intended solely as a guide to aid manufacturers and the marine community in the design, construction, equipage and maintenance of small craft.

ABYC reviews each standard at least every five years at which time it may be reaffirmed, revised, or withdrawn. ABYC welcomes any written comments on the Standards and Technical Information Reports.

ABYC A-33

EMERGENCY ENGINE/PROPULSION CUT-OFF DEVICES



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This list represents the membership at the time the Committee was balloted.

NOTE: Membership on a committee shall not in and of itself constitute an endorsement of ABYC or any document developed by the committee on which the member serves.

This standard was developed under procedures accredited as meeting the criteria for American National Standards. The Project Technical Committee that approved the standard was balanced to ensure that individuals from competent and concerned interests have had an opportunity to participate.

This standard, which is the result of extended and careful consideration of available knowledge and experience on the subject, is intended to provide minimum performance requirements.

ABYC's Project Technical Committee meetings are open to the public. All contact regarding standards activity, interpretations, or meeting attendance should be directed to the ABYC Technical Department at comments@abycinc.org.

ABYC and its committees do not "approve", "certify", or "endorse" any item, construction, or proprietary device.

REQUEST FOR INTERPRETATIONS

Upon written request the Control Systems PTC will render an interpretation of any requirement of the standard. The request for interpretation should be clear and unambiguous. Requests should be presented to the PTC in a manner in which they may be answered in a yes or no fashion.

The committee reserves the right to reconsider any interpretation when or if additional information which might affect it becomes available to the PTC. Persons aggrieved by an interpretation may appeal to the Committee for reinterpretation.

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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 or installed after July 31, 2019.

33.1 PURPOSE

This standard is a guide for the design, construction, installation and performance of devices used to disable the propulsion system when the operator is unexpectedly displaced from the boat and may include provisions to alert the operator when passengers are unexpectedly displaced from the boat.

33.2 SCOPE

This standard applies to all mechanically powered boats equipped with devices that disable propulsion when the operator is unexpectedly displaced from the boat and boats equipped with a warning system for passengers unexpectedly displaced from the boat.

NOTE: These methods are not intended to offer instantaneous protection if the occupant/operator falls into the path of the boat.

33.3 REFERENCES

The following references form a part of this standard. Unless otherwise noted the latest version of referenced standards shall apply.

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

[ABYC E-11, AC & DC Electrical Systems on Boats](#)

33.3.2 IEC - International Electrotechnical Commission, 3 rue de Varembe, PO Box 131 CH – 1211, Geneva 20, Switzerland. Phone: +41 22 919 0211. Fax: +41 22 919 03 00. Website: www.iec.ch

IEC 60529, *Degrees of Protection Provided by Enclosures (IP Code)*

33.3.3 NEMA - National Electrical Manufacturers Association, 1300 North 17th Street, Suite 1847, Rosslyn, VA 22209. Phone: 703-841-3200. Fax: 703-841-5900. Website: www.nema.org

NEMA 250, *Enclosures for Electrical Equipment (1000 Volts Maximum)*

33.4 DEFINITIONS

For the purpose of this standard the following definitions apply.

33.4.1 Emergency Cut-Off Device - a switch or other system that, when activated in an emergency, provides the means to stop the mechanical propulsion system.

33.4.2 Mechanical Lanyard - a device designed to attach the operator to the system that stops the engine under emergency conditions.

33.4.3 Passenger Protection Device - a system intended to alert the operator of unexpected passenger displacement from the boat.

33.4.4 Readily Accessible - capable of being reached quickly and safely for effective use under emergency conditions without the use of tools.

33.5 GENERAL REQUIREMENTS

33.5.1 The device manufacturer shall provide installation instructions.