



**ABYC A-33 July, 2009**

**Equipment Division Standard  
Product Interface 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*ABYC reviews each standard at least every five years at which time it may be reaffirmed, revised, or withdrawn.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](mailto: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 Product Interface 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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**A-33 EMERGENCY ENGINE/PROPULSION CUT-OFF DEVICES**

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## **A-33 EMERGENCY ENGINE/PROPULSION CUT-OFF DEVICES**

*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, 2010.*

### **33.1 PURPOSE**

This standard is a guide for the design, construction, installation and performance of a system used to disable the propulsion engine when the operator is unexpectedly displaced from the boat.

**NOTE: A system may include protection for passengers.**

### **33.2 SCOPE**

This standard applies to all mechanically powered boats equipped with a system that disables propulsion when the operator is 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 REFERENCED ORGANIZATIONS**

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

33.3.1.1 ABYC - American Boat & Yacht Council, Inc., 613 Third St. Suite 10, Annapolis, MD 21403  
Phone: (410) 990-4460, Fax: (410) 990-4466. Visit the Website: [www.abycinc.org](http://www.abycinc.org)

*ABYC E-11 AC & DC Electrical Systems on Boats*

33.3.1.2 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](http://www.iec.ch)

*IEC 60529 Degrees of protection provided by enclosures (IP Code)*

33.3.1.3 NEMA - National Electrical Manufacturers Association, 1300 North 17<sup>th</sup> St, Suite 1847, Rosslyn, VA 22209. Phone: 703-841-3200, Fax: 703-841-5900. Website: [www.nema.org](http://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 Mechanical Lanyard - A device designed to attach between a passenger/operator and the system that stops the engine under emergency conditions.