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**Machinery Division Standard  
Engine and Powertrain 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*ABYC reviews each standard at least every five years at which time it may be reaffirmed, revised, or withdrawn.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 P-1***

## ***INSTALLATION OF EXHAUST SYSTEMS FOR PROPULSION AND AUXILIARY ENGINES***



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*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 Engine and Powertrain 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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## ***P-1 INSTALLATION OF EXHAUST SYSTEMS FOR PROPULSION AND AUXILIARY ENGINES***

### **Table of Contents**

1.1	PURPOSE.....	1
1.2	SCOPE.....	1
1.3	REFERENCED ORGANIZATIONS.....	1
1.4	DEFINITIONS.....	2
1.5	GENERAL REQUIREMENTS .....	2
1.6	MATERIALS .....	3
1.7	WET EXHAUST SYSTEMS .....	4
1.8	DRY EXHAUST SYSTEMS .....	6
	TABLE I - MATERIALS IN ALPHABETICAL ORDER.....	7
	TABLE II - GALVANIC SERIES OF METALS IN SEA WATER.....	8
	FIGURE 1 - TYPICAL WET EXHAUST SYSTEM.....	9
	FIGURE 2 - TYPICAL RISER SYSTEM.....	9
	FIGURE 3 - TYPICAL EXHAUST RISER.....	10
	FIGURE 4 - TYPICAL DRY EXHAUST SYSTEM .....	10
	FIGURE 5 - TYPICAL WATERLIFT EXHAUST SYSTEM .....	11
	FIGURE 6A – TYPICAL DEWATERED EXHAUST SYSTEM – Water Separator.....	12
	FIGURE 6B – TYPICAL DEWATERED EXHAUST SYSTEM – Combination Unit.....	12
	FIGURE 6C - TYPICAL DEWATERED VERTICAL STACK EXHAUST SYSTEM INSTALLATION .....	13
	<i>Origin and Development of ABYC P-1, Installation of Exhaust Systems for Propulsion and Auxiliary Engines .....</i>	<i>13</i>

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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 after July 31, 2009.*

### **1.1 PURPOSE**

This standard is a guide for the design, installation, and selection of materials for exhaust systems for marine engines.

**NOTE:** *Some jurisdictions require noise abatement compliance. Exhaust system design should comply with the noise level limits.*

### **1.2 SCOPE**

This standard applies to the exhaust systems of all boats equipped with inboard or sterndrive engines, or permanently installed auxiliary engines, from the exhaust outlet of the engine or the turbocharger, if used, through the terminus where the exhaust gases are discharged.

#### **EXCEPTIONS:**

- 1. Engine mounted components covered by [ABYC P-4 Marine Inboard Engines and Transmissions](#) (e.g. exhaust risers, mixing elbows).**
- 2. Engine systems that include all exhaust components through the terminus where the exhaust gases are discharged.**

### **1.3 REFERENCES**

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

ABYC - American Boat & Yacht Council, Inc., 613 Third St. Suite 10 Annapolis, MD 21403.  
Phone: (410) 990-4460. Fax: (410) 956-2737. Web site: [www.abycinc.org](http://www.abycinc.org).

[ABYC P-4, Marine Inboard Engines and Transmissions](#)  
[ABYC H-2, Ventilation of Boats Using Gasoline](#)  
[ABYC H-27, Seacocks, Thru-hull Fittings, and Drain Plugs](#)  
[ABYC Th-23, Design, Construction, and Testing of Boats in Consideration of Carbon Monoxide](#)

SAE - Society of Automotive Engineers - 400 Commonwealth Drive, Warrendale, PA 15096-0001. Phone: (724) 776-4841. Fax: (724) 776-5760. Web site: [www.sae.org](http://www.sae.org).

SAE J2006, *Marine Exhaust Hose*

UL – Underwriters Laboratories, Inc., 12 Laboratory Drive, PO Box 13995, Research Triangle Park, NC 27709-3995.  
Phone: (919) 549-1400. Fax: (919) 547-6000. Web site: [www.ul.com](http://www.ul.com).

UL 1129, *Standard for Wet Exhaust Components for Marine Engines*  
UL 94, *Test for Flammability of Plastic Materials for Parts in Devices and Applications*

U.S. Environmental Protection Agency Office of Transportation & Air Quality (6401A) - 1200 Pennsylvania Avenue, NW Washington, DC 20460. Phone: (202) 564-1682. Web site: <http://www.epa.gov/otaq/marine.htm>.