STANDARDS AND TECHNICAL INFORMATION REPORTS FOR SMALL CRAFT

July 2026-2027

(Includes Supplement 66)

BOATS - ENGINES - MARINE PRODUCTS

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OVERVIEW

The July 2026-2027 Supplement 66 of *Standards and Technical Information Reports for Small Craft* contains the most recent version of all included ABYC standards. As the standards are reviewed and revised on a regular, periodic basis, always consult the most recent supplement for the most current version of any particular standard.

Every supplement lists the most current officers, staff information, and Project Technical Committee information available at publication. Individual standards list Project Technical Committee membership at balloting.

Standards and technical information reports in Supplement 66 are designated new, revised, reaffirmed (with editorial corrections), or withdrawn. They are listed below and noted in bold in the Table of Contents.

Standards		**Status**
A-27	*Alternating Current (AC) Generator Sets*	*Revised*
H-2	*Ventilation of Boats Using Gasoline*	*Revised*
H-5	*Boat Load Capacity*	*Revised*
H-25	*Portable and Semi-Portable Marine Gasoline Fuel Systems*	*Revised*
H-26	*Powering of Boats*	*Revised*
H-27	*Seacocks, Thru-Hull Fittings, and Drain Plugs*	*Revised*
H-28	*Inflatable Boats*	*Revised*
H-33	*Diesel Fuel Systems*	*Revised*
H-35	*Powering and Load Capacity of Pontoon Boats*	*Revised*
P-6	*Propeller Shafting Systems*	*Revised*
S-7	*Boat Capacity Labels*	*Revised*
S-8	*Boat Measurement and Weight*	*Revised*
Technical Information Reports		
T-5	*Safety Signs and Labels*	*Revised*
T-32	*Design and Construction in Consideration of Aquatic Invasive Species*	*Revised*

ABYC publishes other standards and technical information reports designed to be utilized by specific markets, such as component or specialized manufacturers, acquisitions guidance, or other instruction. Due to the narrow focus of these publications, they are not included in *Standards and Technical Information Reports for Small Craft*. They are, however, available to our members through ABYC's online Standards Library. New or revised component and instructional standards and technical information reports are noted in bold.

ABYC Online Standards Library Only		
Component Standards		
C-1	*Primer Bulbs*	*Revised*
C-2	*Carbon Canisters for Marine Applications*	*Revised*
C-3	*Alcohol, Kerosene, and Solidified Fuel Cooking Appliances*	
C-5	*Construction and Testing of Electric Navigation Lights*	
C-7	*Battery Switches*	
C-1500	*Ignition Protection Test Methods for Marine Products*	
Educational Standards		
EDU-1	*On-Water Recreational Boating Skills – Power*	
EDU-2	*On-Water Recreational Boating Skills – Human-Propelled*	
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Questions or comments? Please contact ABYC by phone (410) 990-4460 or by email at comments@abycinc.org.

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Component Standards (C) are available on the ABYC online Standards Library

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INTRODUCTION

STANDARDS AND TECHNICAL INFORMATION REPORTS FOR SMALL CRAFT

The story of the American Boat & Yacht Council, Inc. starts several years before ABYC was formally organized. By 1950, members of the former Motorboat and Yacht Advisory Panel of the Coast Guard's Merchant Marine Council expressed an interest in having the boating industry, public, and government combine their talents to draft standards and recommended practices for the construction of small craft and associated equipment. The panel thought that such a broad-based effort could win wide support and acceptance of its recommendations.

With this encouragement, the American Boat & Yacht Council was incorporated in 1954 under New York State law as a nonprofit, public service, membership organization. ABYC's membership now includes over 4000 individuals, corporations, and associations from all over the world.

ORGANIZATION

ABYC membership is open to any person or group interested in furthering ABYC's objectives as defined in its bylaws. Individual members may serve as officers, directors, technical board members, or on committees, including Project Technical Committees, charged with developing standards and technical information reports. The Technical Board is appointed by the Board of Directors to act as its agent in the organization and supervision of the Project Technical Committees.

The Technical Board Rules provide that:

> *"ABYC Technical Board Rules provide that all technical reports, including standards and technical information reports, are advisory only. Their use is entirely voluntary. They represent, as of the date of publication, the consensus of knowledgeable persons currently active in the field of small craft on performance objectives that contribute to small boat safety.*
>
> *The American Boat & Yacht Council assumes no responsibility whatsoever for the use of, or failure to use, standards or technical information reports promulgated by it, their adaptation to any processes of a user, or any consequences flowing therefrom.*
>
> *Prospective users of the standards and technical information reports are responsible for protecting themselves against liability for infringement of patents. The American Boat & Yacht Council Standards and Technical Information Reports are used to achieve a specific level of design or performance, and are not intended to preclude attainment of desired results by other means."*

STANDARDS AND TECHNICAL INFORMATION REPORTS FOR SMALL CRAFT

ABYC's *Standards and Technical Information Reports for Small Craft* is 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.

The standards and technical information reports are advisory only; their use is entirely voluntary. They are guides to achieving a specific level of design or performance, and are not intended to preclude attainment of desired results by other means. ABYC standards and technical information reports are subject to periodic review and users are cautioned to obtain the latest revision.

STANDARDS DEVELOPMENT

In order to obtain maximum agreement and acceptance, ABYC uses procedures that permit all concerned interests to participate in the development and amendment of each standard and technical information report. After a Project Technical Committee develops a standard or report, it is made available for review to ABYC membership and to anyone who desires a copy.

The purpose of public review is to solicit constructive comments from every element in boating. Suggested changes are accompanied by the exact wording of the changes desired and submitted via ABYC's EZ-PTC system. The link to EZ-PTC can be found on the ABYC Website (www.abycinc.org). Comments are submitted to the Project Technical Committee for resolution. Revised standards and reports are forwarded to the Technical Board for approval.

Based on the documented development of the standard, the Technical Board decides whether to accept the standard or return it to committee for further development. Favorable action by the Technical Board is authorization for the standard to be published. As standards are revised and new standards are developed, they are processed to obtain ANSI designation. The American National Standards Institute (ANSI, www.ansi.org) is a third party

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certification/accreditation association. Their primary business is the accreditation of standards development organizations (SDOs) like ABYC, SAE International, and UL Standards & Engagement (ULSE). ANSI accreditation is obtained only by following a recognized set of rules when developing standards and by meeting requirements for balance and transparency. The basics of this process are prescribed by ANSI and adopted into ABYC's Technical Board Rules. ABYC has the freedom to add to the ANSI prescribed rules; however, the final rules must be approved by our ANSI auditor.

The Project Technical Committee remains in existence even after the Board accepts the standard. In general, the Project Technical Committee and the Technical Board review all standards within five years of last publication for reaffirmation, revision, or withdrawal. In this way, the attempt is made to keep all ABYC standards current with improvements in technology and industry practices.

PERFORMANCE APPROACH

As far as practicable, these standards and technical information reports are stated in terms of performance rather than design or descriptive characteristics and are not intended to preclude attainment of desired results by other means. This approach leaves maximum freedom for technical development and compliance with applicable regulations.

These standards are of general applicability, and there may be instances in which the particular use, configuration, or other characteristics of a specific boat, or classes of boats, may result in special requirements differing from the generally applicable standards. ABYC standards are not intended to conflict with mandatory governmental standards. Such mandatory standards must be followed as a minimum. ABYC standards may be different from mandatory standards when, in the opinion of the Council, good or desirable practices suggest that the ABYC advisory standards provide for features in addition to those required.

If it is impractical to determine the necessary performance characteristics of materials or devices, the material or device may be specified but with the inclusion of the phrase "… or other material/device which has been proved to be equally suitable."

Requirements concerning the manufacturing or installation process shall usually be omitted in favor of tests to be made on the final product or installation. There are, nevertheless, some fields in which reference to the manufacturing process may be required. The choice between specifying by description or by performance is considered seriously, as specification solely by performance may lead to complicated testing procedures of long duration and high cost.

SUPPLEMENTAL INFORMATION AND EFFECTIVE DATES

Many ABYC standards are accompanied by supplementary information that is considered useful or that will assist in compliance with the standards. Information such as test specifications, recommendations of dimensions, angles, temperature ranges, and other supplemental data may be found in "NOTES" incorporated in the text.

Standards of specific applicability supersede standards of general applicability. All drawings, sketches, and illustrations are for the purpose of example and are intended only to clarify the meaning of the standards.

New or revised standards have an effective date established by the Project Technical Committee based on ABYC's assessment of the state of existing technology and the problems associated with meeting the goals of the standard.

TECHNICAL INFORMATION REPORTS

Technical information reports are published to increase the knowledge, experience, and skills of small craft technicians and engineers and to aid in design, construction, equipage, and maintenance of small craft.

These reports are also to establish industry-recommended conformity or uniformity standards, dimensional standards, and useful information to assist in the matching of components (boats, engines, and accessories) to aid in the assembly of a ready to use matched package. Technical information reports may be used to present useful information not deemed appropriate for standardization.

ACKNOWLEDGMENT

These standards and technical information reports complement the mandatory standards promulgated by the United States Coast Guard under the authority of the Federal Boat Safety Act of 1971. The Federal Boat Safety Act provides for federal development of minimum safety standards for the manufacturer of boats, and their associated equipment, as a need is demonstrated.

So that these standards and technical information reports reflect the broadest thinking and the greatest amount of technical information available, constant liaison is maintained by ABYC with other national and international standards-making bodies. ABYC standards have been the basis of other standards worldwide.

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Standards and Rosters - July 2026

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C-1	(ANS)	*Primer Bulbs*
C-2	(ANS)	*Carbon Canisters for Marine Applications*
H-2	(ANS)	*Ventilation of Boats Using Gasoline*
H-24	(ANS)	*Gasoline (Petrol) Fuel Systems*
H-25	(ANS)	*Portable and Semi-Portable Marine Gasoline Fuel Systems*
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H-33	(ANS)	*Diesel Fuel Systems*
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TH-23		*Design, Construction, and Testing of Boats in Consideration of Carbon Monoxide*

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H-31	(ANS)	*Seat Structures*
H-40	(ANS)	*Anchoring, Mooring, and Strong Points*
H-41	(ANS)	*Reboarding Means, Ladders, Handholds, Rails, and Lifelines*
T-17		*Compass Installation*

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H-1	(ANS)	*Field of Vision From the Helm Position*
H-4	(ANS)	*Cockpit Drainage Systems*
H-5	(ANS)	*Boat Load Capacity*
H-8	(ANS)	*Buoyancy in the Event of Flooding/Swamping*
H-26	(ANS)	*Powering of Boats*
H-28	(ANS)	*Inflatable Boats*
H-29	(ANS)	*Canoes and Kayaks*
H-35	(ANS)	*Powering and Load Capacity of Pontoon Boats*
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S-7	(ANS)	*Boat Capacity Labels*
S-8	(ANS)	*Boat Measurement and Weight*
S-30	(ANS)	*Outboard Engine and Related Equipment Weights*
T-1		*Guidelines for Use of Aluminum in Boat and Yacht Construction*
TH-12		*Outboard Engine Mounting Guide*
TY-28		*Boat Lifting and Storage*

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H-22	(ANS)	*Electric Bilge Pump Systems*
H-23	(ANS)	*Water Systems on Boats*
H-27	(ANS)	*Seacocks, Thru-Hull Fittings, and Drain Plugs*
H-30	(ANS)	*Hydraulic Systems*
TH-29		*Sewage Systems*

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E-2	(ANS)	*Cathodic Protection*
E-10	(ANS)	*Storage Batteries*
E-11	(ANS)	*AC and DC Electrical Systems on Boats*
E-13	(ANS)	*Lithium Ion Batteries*
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TE-12		*Three-Phase AC Electrical Systems on Boats*

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A-28	(ANS)	*Galvanic Isolators*
A-31	(ANS)	*Battery Chargers and Inverters*
A-32	(ANS)	*AC Power Conversion Equipment and Systems*
C-7	(ANS)	*Battery Switches*
C-1500	(ANS)	*Ignition Protection Test Methods for Marine Products*

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A-33	(ANS)	*Emergency Engine/Propulsion Cut-Off Devices*
P-14	(ANS)	*Mechanical Propulsion Control Systems*
P-17	(ANS)	*Manual and Assisted Mechanical Steering Systems*
P-18		*Cable Over Pulley Steering Systems for Outboard Engines*
P-21	(ANS)	*Manual and Assisted Hydraulic Steering Systems*
P-22	(ANS)	*Steering Wheels*
P-23	(ANS)	*Mechanical Steering and Propulsion Controls for Jet Boats*
P-28	(ANS)	*Electric/Electronic Control Systems for Propulsion and Steering*

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A-27	(ANS)	*Alternating Current (AC) Generator Sets*
P-1	(ANS)	*Installation of Exhaust Systems for Propulsion and Auxiliary Engines*
P-4	(ANS)	*Marine Inboard Engines and Transmissions*
P-6	(ANS)	*Propeller Shafting Systems*
S-33	(ANS)	*On-Water Engine Emissions Testing*

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EQUIPMENT DIVISION – James Coté, *Director*

FIRE FIGHTING AND DETECTION SYSTEMS PTC

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David Marlow, *Vice Chair*	Ulrich Heinemann	Rob Loucks
Scott Berry	Michael Hill	John Malool
Ian Campbell	Eric Johnson	John Palcher
Ernest Ellis		Derek Rhymes

A-4 (ANS) *Fire Fighting Equipment*
A-14 (ANS) *Gasoline (Petrol) and Liquefied Petroleum Gas (LPG) Detection Systems*
A-24 (ANS) *Installation of Carbon Monoxide Detectors and Alarms*

NAVIGATION LIGHTS AND SOUND SIGNAL APPLIANCES PTC

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David DeHorn, *Vice Chair*	Kim Horn	Richard Mullennix
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Kevin Ferrie	Thomas Marhevko	Robert White

A-16 (ANS) *Installation of Electric Navigation Lights*
A-23 (ANS) *Sound Signal Appliances*
C-5 (ANS) *Construction and Testing of Electric Navigation Lights*

THERMAL APPLIANCE PTC

Scott Berry, *Chair*	Kim Horn	Robert White
Ian Campbell	Jon Sheller	Phil Williams
Ulrich Heinemann	Bob Rudolph	Todd Williams

A-1 (ANS) *Liquefied Petroleum Gas (LPG) Systems*
A-3 (ANS) *Cooking Appliances*
A-6 (ANS) *Refrigeration and Air Conditioning Equipment*
A-7 (ANS) *Liquid and Solid Fueled Boat Heating Systems*
A-22 (ANS) *Compressed Natural Gas (CNG) Systems*
A-26 (ANS) *LPG and CNG Fueled Appliances*
A-30 (ANS) *Cooking Appliances with Integral LPG Cylinders*
C-3 (ANS) *Alcohol, Kerosene, and Solidified Fuel Cooking Appliances*

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PRODUCT INTERFACE DIVISION – David Marlow, *Director*

AQUATIC INVASIVE SPECIES PTC

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Adam Doll, *Vice Chair*	Gabriel Jabbour	Edgar Rudberg
Mike Andretta	Eric Johnson	Jason Stimmel
Scott Berry	Richard Kolb	Jeff Wasil
Elizabeth Brown	Simon McFarland	MaryKate Wood
Paul Campagna		Dennis Zabaglo

T-32 *Design and Construction in Consideration of Aquatic Invasive Species*

ON-WATER EDUCATION PTC

Pete Chisholm, *Chair*	Joanne M. Dorval	Timothea Larr
Charlie Arms	K Brian Dorval	Eric Lundin
Jeff Decker	Peter Durant	Karen Prioleau
Pamela Dillon	Rick Franke	Bruce Rowe

EDU-1 (ANS) *On-Water Recreational Boating Skills -- Power*
EDU-2 (ANS) *On-Water Recreational Boating Skills – Human-Propelled*
EDU-3 (ANS) *On-Water Recreational Boating Skills – Sail*
EDU-4 (ANS) *On-Water Recreational Boating Skills – Instruction*

PRODUCT INTERFACE PTC

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Ron Berman, *Vice Chair*	Kim Horn	Thomas Marhevko
Scott Berry	Eric Johnson	David Marlow
Pete Chisholm	John Jost	Timothy Martin
Sean Gray	Richard Kolb	Matthew Roman

S-32 (ANS) *Warnings and Safety Signs for Boats*
T-5 *Safety Signs and Labels*
T-24 *Owner/Operator's Manuals*
T-31 *Marine Law Enforcement Craft Acquisition and Safety*
T-33 *Manufacturer's Statement of Origin*

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