

## § 161.002-8

## 46 CFR Ch. I (10-1-19 Edition)

### § 161.002-8 Automatic fire detecting systems, general requirements.

(a) *General.* A fire detection system must consist of a power supply; a control unit on which visible and audible fire and trouble signaling indicators are located; fire and/or smoke detectors; and fire and/or smoke detector circuits, as required, originating from the control unit. Power failure alarm devices may be separately housed from the control unit and may be combined with other power failure alarm systems when specifically approved.

(b) [Reserved]

[21 FR 9032, Nov. 21, 1956, as amended by CGD 94-108, 61 FR 28292, June 4, 1996; USCG-2012-0196, 81 FR 48276, July 22, 2016]

### § 161.002-9 Fire detection system, power supply.

The power supply for a fire detection system must meet the requirements of § 113.10-9 of this chapter.

[USCG-2012-0196, 81 FR 48276, July 22, 2016]

### § 161.002-10 Fire detection system control unit.

(a) *General.* The fire detection system control unit must meet the requirements of § 111.01-9 of this chapter.

(b) *Electrical supervision—Circuits.* The circuits must comply with Chapter 23 of NFPA 72 (incorporated by reference, see § 161.002-1), and must be Class A or Class X pathway.

[USCG-2012-0196, 81 FR 48276, July 22, 2016]

### § 161.002-15 Sample extraction smoke detection systems.

(a) *General.* The sample extraction smoke detection system must consist of a means for continuously exhausting an air sample from the protected spaces and testing the air for contamination with smoke, together with visual and audible alarms for indicating the presence of smoke.

(b) *Design.* The sample extraction smoke detection system must be designed and capable of being installed in accordance with 46 CFR chapter I, subchapter J (Electrical Engineering) and the FSS Code (incorporated by reference, see § 161.002-1).

(c) *Power supply.* The power supply for the sample extraction smoke detec-

tion system must meet the requirements of § 113.10-9 of this chapter.

(d) *Control unit standards.* The control unit must be listed by either a NRTL as set forth in 29 CFR 1910.7 or an independent laboratory that is accepted by the Commandant under part 159 of this chapter. The listing must be to the standards specified in UL 864 and tested to the parameters found in IEC 60092-504 (both incorporated by reference, see § 161.002-1).

[USCG-2012-0196, 81 FR 48276, July 22, 2016]

### § 161.002-17 Equivalents.

The Commandant may approve any arrangement, fitting, appliance, apparatus, equipment, calculation, information, or test that provides a level of safety equivalent to that established by specific provisions of this subpart. Requests for approval must be submitted to Commandant (CG-ENG). If necessary, the Commandant may require engineering evaluations and tests to demonstrate the equivalence of the substitute.

[CGD 94-108, 61 FR 28292, June 4, 1996]

### § 161.002-18 System method of applications for type approval.

(a) The manufacturer must submit the following material to Commandant (CG-ENG-4), Attn: Office of Design and Engineering Systems, U.S. Coast Guard Stop 7509, 2703 Martin Luther King Jr. Avenue SE., Washington, DC 20593-7509:

(1) A formal written request that the system be reviewed for approval.

(2) Three copies of the system's instruction manual, including information concerning installation, maintenance, limitations, programming, operation, and troubleshooting.

(3) Proof of listing the system devices meeting the requirements of § 161.002-4(b)(2).

(4) One copy of the complete test report(s) meeting the requirements of § 161.002-6 generated by an independent laboratory accepted by the Commandant under part 159 of this chapter or an NRTL as set forth in 29 CFR 1910.7. A current list of Coast Guard accepted laboratories may be obtained from the following Web site: <http://cgmix.uscg.mil/eqlabs/>.

(5) Three copies of a list prepared by the manufacturer that contains the name, model number, and function of each major component and accessory, such as the main control cabinet, remote annunciator cabinet, detector, zone card, isolator, central processing unit, zener barrier, special purpose module, or power supply. This list must be identified by the following information assigned by the manufacturer:

- (i) A document number.
- (ii) A revision number (the original submission being revision number 0).
- (iii) The date that the manufacturer created or revised the list.

(b) The Coast Guard distributes a copy of the approved instruction manual to the manufacturer and to the Coast Guard Marine Safety Center (MSC).

(c) The manufacturer must maintain an account of the equipment offered for approval. The list identification information in paragraphs (a)(5)(i) through (a)(5)(iii) of this section appears on the Certificate of Approval and indicates the official compilation of components for the approved system. If the manufacturer seeks to apply subsequently for the approval of a revision (because of, for example, additional accessories becoming available, replacements to obsolete components, or a change in materials or standards of safety), changes to the approved list must be submitted for review and approval.

(d) To apply for a revision, the manufacturer must submit—

- (1) A written request under paragraph (a) of this section;
- (2) An updated list under paragraph (a)(5) of this section; and
- (3) A report by an independent laboratory accepted by the Commandant under part 159 of this chapter, or an NRTL as set forth in 29 CFR 1910.7 to document compliance with § 161.002-6.

(e) If the Coast Guard approves the system or a revision to a system, it issues a certificate, normally valid for a 5-year term, containing the information

in paragraphs (a)(5)(i) through (a)(5)(iii) of this section.

[CGD 94-108, 61 FR 28292, June 4, 1996, as amended by USCG-1999-6216, 64 FR 53228, Oct. 1, 1999; USCG-2013-0671, 78 FR 60160, Sept. 30, 2013; USCG-2012-0196, 81 FR 48276, July 22, 2016]

**§ 161.002-19 Device method of application for type approval.**

(a) The manufacturer must submit the following material to Commandant (CG-ENG-4), U.S. Coast Guard Headquarters, 2703 Martin Luther King Jr. Avenue SE., Stop 7509, Washington, DC 20593-7509 or they may electronically submit material to [typeapproval@uscg.mil](mailto:typeapproval@uscg.mil):

(1) A formal written request that the device be reviewed for approval.

(2) Three copies of the device's instruction manual, including information concerning installation, maintenance, limitations, programming, operation, and troubleshooting.

(3) Proof of listing the device meeting the requirements of § 161.002-4(b)(2).

(4) One copy of the complete test report(s) meeting the requirements of § 161.002-6 generated by an independent laboratory accepted by the Commandant under part 159 of this chapter or an NRTL as set forth in 29 CFR 1910.7. A current list of Coast Guard accepted laboratories may be obtained from the following Web site: <http://cgmix.uscg.mil/eqlabs/>.

(b) To apply for a revision, the manufacturer must submit—

(1) A written request under paragraph (a) of this section;

(2) Updated documentation under paragraph (a)(2) of this section;

(3) Proof of listing the device meeting the requirements of § 161.002-4(b)(2); and

(4) A report by an independent laboratory accepted by the Commandant under part 159 of this chapter or an NRTL as set forth in 29 CFR 1910.7 is required to document compliance with § 161.002-6.

(c) If the Coast Guard approves the device or a revision to a device, it issues a Certificate of Approval, normally valid for a 5-year term.

[USCG-2012-0196, 81 FR 48276, July 22, 2016]