

8 AAC 63.010 is repealed and readopted to read:

8 AAC 63.010. Minimum plumbing standards. (a) The codes set out in this section are adopted in accordance with AS 18.60.705 as the minimum plumbing standards to be followed throughout the state. The Department of Labor and Workforce Development adopts the following codes by reference that are published by the International Association of Plumbing and Mechanical Officials (IAPMO):

(1) *Uniform Plumbing Code*, 2018 Edition, Sections 101.0 – 103.2, 103.3.1 – 103.4, 105.0 – 105.2.2, and 105.3 – 106.6 of chapter 1, chapters 2 through 10, chapter 11 excluding the requirements of section 1101.5, chapters 12 through 17, and appendices A through L, with the following revisions:

(A) Section 1210.2.3 (prohibited locations), of the *Uniform Plumbing Code* is amended by adding section 1210.2.3.1 to read: “1210.2.3.1. Liquefied petroleum gas piping shall not serve any gas fired appliance located in a pit or basement where heavier than air gas might collect to form a flammable mixture.”

(B) Section 612.2 (types of systems) of the *Uniform Plumbing Code* is revised to read: “This section shall apply to multipurpose wet-pipe sprinkler systems that do not include the use of antifreeze. Stand-alone sprinkler systems are not subject to the provisions of this section. A multipurpose fire sprinkler system shall provide potable water to both fire sprinklers and plumbing fixtures. A stand-alone sprinkler system shall be separate and independent from the potable water distribution system and must have a backflow preventer to separate it from the potable water distribution system.”

(2) *Uniform Swimming Pool, Spa and Hot Tub Code*, 2018 edition, paragraphs 101.0 – 103.2, 103.3.0, 103.4, 105.3 –106.6, chapters 2 through 10, and appendices A through C;

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(3) *Uniform Solar, Hydronics and Geothermal Code*, 2018 edition, paragraphs 101.0 – 103.2, 103.4, 105.2 – 105.2.2, 105.3 – 106.6, chapters 2 through 12, and appendices A through C. (Eff. 8/5/72, Register 43; am 7/12/81, Register 79; am 11/1/2000, Register 156; am 9/25/2002, Register 163; am 12/6/2003, Register 168; am 9/27/2008, Register 187; am 2/23/2011, Register 197; am 10/23/2014, Register 212; am 3/6/2016, Register 217, am 11/5/2017, Register 224; am ___/___/___, Register ___)

Authority: AS 18.60.705 AS 18.60.710

Editor's note: Copies of the codes adopted by reference in 8 AAC 63.010 are available at the International Association of Plumbing and Mechanical Officials, 4775 E. Philadelphia Street, Ontario, CA 91761-2816. In addition, the codes are available for inspection at the Lieutenant Governor's Office, Juneau, Alaska.

As of Register 151 (October 1999), the regulations attorney made technical revisions under AS 44.62.125(b)(6) to reflect the name change of the Department of Labor to the Department of Labor and Workforce Development made by ch. 58, SLA 1999 and the corresponding title change of the commissioner of labor.

8 AAC 77.005 is amended to read:

8 AAC 77.005. Elevator safety standards code. (a) The minimum elevator safety standards applicable to elevators, escalators, and similar devices in the state are set out in the following editions of safety codes for elevators, escalators, platform lifts and stairway chairlifts, published by the American Society of Mechanical Engineers (ASME), and are adopted by reference:

(1) the *Safety Code for Elevators and Escalators*, **2016 edition (ASME A17.1-**

2016) [2013 edition (ASME A17.1-2013)],

(A) with the following revisions:

(i) Section 2.2.2.3 is amended by replacing the existing language to

read:

“**2.2.2.3.** For pits subject to the periodic accumulation of ground water, a permanent drain or sump pump shall be installed. For pits not subject to the periodic accumulation of ground water, **as determined by the authority having jurisdiction**, the permanent installation of a drain or sump pump is not required, unless required by section 2.2.2.5.”;

8 AAC 77.005(3) is amended to read:

(3) the *Safety Standard for Platform Lifts and Stairway Chairlifts*, **2017 edition (ASME A18.1-2017)** [2014 EDITION (ASME A18.1-2014)],

8 AAC 77.005(4) is amended to read:

(4) the *Guide for Inspection of Elevators, Escalators, and Moving Walks*, **2017 edition (ASME A17.2-2017)** [2012 EDITION (ASME A17.2-2012)];

8 AAC 77.005(5) is amended to read:

(5) the *Standard for Elevator Suspension, Compensation, and Governor Systems*, **2017 edition (ASME A17.6-2017)** [(ASME A17.6-2010)];

8 AAC 77.005(6) is amended to read:

(6) the *Performance-Based Safety Code for Elevators and Escalators*, **2007 edition** (ASME A17.7-2007). (Eff. 10/21/79, Register 72; am 10/21/92, Register 124; am 12/17/99, Register 152; am 9/25/2002, Register 163; am 6/14/2006, Register 178; am 2/23/2011, Register 197 am 10/16/2012, Register 204; am 10/23/2014, Register 212; am 3/6/2016, Register 217; am ___/___/____, Register ____)

Authority: AS 18.60.800

8 AAC 80.010 is repealed and readopted to read:

8 AAC 80.010. Boiler and pressure vessel construction code. (a) The department adopts by reference the following sections of the 2013 edition of the American Society of Mechanical Engineers' *Boiler and Pressure Vessel Code* (ASME code) as interpreted as of July 1, 2013:

- (1) Section I, Rules for Construction of Power Boilers;
- (2) Section II, Materials;
- (3) Section IV, Rules for Construction of Heating Boilers;
- (4) Section V, Nondestructive Examination;
- (5) Section VI, Recommended Rules for Care and Operation of Heating Boilers;
- (6) Section VII, Recommended Guidelines for the Care of Power Boilers;
- (7) Section VIII, Rules for Construction of Pressure Vessels;
- (8) Section IX, Welding, Brazing, and Fusing Qualifications;
- (9) Section X, Fiber Reinforced Plastic Pressure Vessels.

(b) The department adopts by reference the 2014 edition of the American Petroleum Institutes' *Pressure Vessel Inspection Code: In-Service Inspection, Rating, Repair, and*

Alteration, Tenth Edition, (API 510).

(c) Canadian registration number (CRN) vessels that are designed and constructed in conformance with the *ASME Code*, but do not bear the ASME symbol, will be approved for use upon receipt of the manufacturer's data sheet.

(d) A boiler or pressure vessel fabricated for installation in this state in accordance with AS 18.60.180 – 18.60.390 must bear a National Board of Boiler and Pressure Vessel Inspectors registration number. Cast iron heating boilers are exempt from the requirements of this subsection. (In effect before 7/28/59; am 4/22/73, Register 45; am 11/22/75, Register 56; am 6/11/78, Register 66; am 5/12/82, Register 82; am 6/21/84, Register 90; am 10/21/92, Register 124; am 12/17/99, Register 152; am 11/1/2000, Register 156; am 9/25/2002, Register 163; am 6/14/2006, Register 178; am 9/27/2008, Register 187; 10/16/2012, Register 204; am 10/23/2014, Register 212; am ___/___/___, Register _____)

Authority: AS 18.60.180

Editor's note: The American Society of Mechanical Engineers' *Boiler and Pressure Vessel Code*, and the American Petroleum Institutes' *Pressure Vessel Inspection Code: In-Service Inspection, Rating, Repair, and Alteration, Tenth Edition*, adopted by reference in 8 AAC 80.010, are available for public review at the Mechanical Inspection Section, Division of Labor Standards and Safety, Department of Labor and Workforce Development, 1251 Muldoon Rd, Suite 113, Anchorage, AK 99504; telephone (907) 269-4925, and may be obtained by contacting the American Society of Mechanical Engineers, Three Park Avenue, New York, NY 10016; telephone: (800) 843-2763; facsimile: (973) 882-1717; Internet address: <http://www.asme.org> or the American Petroleum Institute, 200 Massachusetts Avenue NW, Suite 1100, Washington, DC 20001-5571; telephone (202) 682-8000.

As of Register 151 (October 1999), the regulations attorney made technical revisions under AS 44.62.125 (b)(6) to reflect the name change of the Department of Labor to the Department of Labor and Workforce Development made by ch. 58, SLA 1999 and the corresponding title change of the commissioner of labor.

8 AAC 80.060(b) is amended to read:

(b) The state vessel number shall be affixed as follows:

(1) except as provided in (2) of this subsection, a steel boiler or unfired pressure vessel will be stamped, preferably on the nameplate, with at least five-sixteenths-inch numbers; the stamping must be plainly visible and easily read; [IF A HIGH-PRESSURE UNFIRED VESSEL IS IN SERVICE, AN IDENTIFICATION TAG PROVIDED BY THE DEPARTMENT MAY BE USED UNTIL THE VESSEL NAMEPLATE CAN BE PROPERLY STAMPED;]

(2) paint marker pens [MARKING PENCILS] may be used if they are designed to make notations that are permanent and readable; the state vessel number must be placed above or below the manufacturer's information nameplate.

(3) during the initial inspection and each subsequent periodic inspection,

(A) the responsible inspector shall affix an inspection tag provided by the department;

(B) the inspection tag must set out

(i) the state vessel number;

(ii) the name of the responsible inspector;

(iii) the responsible inspector's identification number as it appears

on the card issued under 8 AAC 80.040, if the responsible inspector is a special inspector; and

(iv) the month and year in which the inspection was performed; and

(C) the inspection tag must be replaced at each subsequent periodic inspection. (Eff. 6/21/84, Register 90; am 10/21/92, Register 124; 10/16/2012, Register 204; am ___/___/___, Register ___)

Authority: AS 18.60.180

8 AAC 80.070(a) is amended to read:

(a) An automatically fired steam boiler must be equipped with an automatic low-water fuel cutoff **with manual reset**.

(b) An automatically fired hot water heating or hot water supply boiler that exceeds an input of 400,000 Btu per hour must be equipped with an automatic low-water fuel cutoff or a loss of flow switch, as appropriate for the heater or boiler. (Eff. 6/21/84, Register 90; am 12/17/99, Register 152; am ___/___/___, Register ___)

Authority: AS 18.60.180

8 AAC 80.110 is amended by adding a new subsection to read:

(c) Operators with a verified testing and inspection program, and certified under the standards of *Pressure Vessel Inspection Code: In-service Inspection, Rating, Repair, and Alteration* (API 510), as published by the American Petroleum Institute, may perform testing at intervals consistent with that standard. (Eff. 6/21/84, Register 90, am ___/___/___, Register ___)

Authority: AS 18.60.180

8 AAC 80.130 is amended to read:

8 AAC 80.130. Requirements for boiler operator license. (a) An applicant for a boiler operator license must submit documented proof, on a notarized form provided by the department or by notarized statements on letterhead stationery from employers, of qualifications for the respective license category as follows:

(1) fireman – no experience required;

(2) third class – at least

(A) 40 hours of classroom training and three months' experience in the operation, maintenance, or repair of boilers; or

(B) six months' experience in the operation, maintenance, or repair of boilers;

(3) second class – at least

(A) six months' experience in the operation, maintenance, or repair of boilers in the size range of 3,500 pounds of steam an hour to 100,000 pounds of steam an hour while holding a third class license; or

(B) 12 months' experience in the operation, maintenance, or repair of boilers having a size equal to or greater than 100,000 pounds of steam an hour;

(4) first class – at least

(A) 12 months' experience in the operation, maintenance, or repair of boilers having a size equal to or greater than 100,000 pounds of steam an hour while holding a second class license; or

(B) 24 months' experience in the operation, maintenance, or repair of

boilers having a size equal to or greater than 100,000 pounds of steam an hour.

(b) An examination will be given upon approval of an application. If the applicant fails the examination, the applicant must wait 30 days before reexamination.

(c) A license is valid for three years and is renewable upon request by contacting the Anchorage office of the department. (Eff. 6/21/84, Register 90; am 6/14/2006, Register 178; am 9/27/2008, Register 187; am 10/16/2012, Register 204; am ___/___/___, Register ___)

Authority: AS 18.60.180 AS 18.60.395

Editor's note: For the purposes of 8 AAC 80, the Anchorage office of the department can be contacted at Mechanical Inspection Section, Division of Labor Standards and Safety, Department of Labor and Workforce Development, **1251 Muldoon Rd, Suite 113** [3301 EAGLE STREET, SUITE 302], Anchorage, AK **99504** [99503]; telephone: (907) 269-4925.

8 AAC 80.900 is amended to read:

8 AAC 80.900. Definitions. (a) In this chapter and in AS 18.60.180 – 18.60.395, unless the context requires otherwise

(1) “alteration” means a change in any item described on the original manufacturer’s data report which affects the pressure capability of a boiler or unfired pressure vessel, and includes, for example, a non-physical change such as an increase in the maximum allowable working pressure (internal or external) or design temperature of a boiler or unfired pressure vessel, and a reduction in minimum temperature such that additional mechanical tests are required;

(2) “ASME Code” means the American Society of Mechanical Engineers *Boiler*

and Pressure Vessel Code, adopted by reference in 8 AAC 80.010;

(3) “boiler” means a closed vessel in which water or other vaporizing fluids are heated, steam is generated, steam is superheated, or a combination of these processes occurs, under pressure or vacuum, for use external to the vessel by the direct application of heat; “boiler” includes fired units for heating or vaporizing liquids other than water where these units are separate from processing systems and complete within themselves; “boiler” also means a

(A) power boiler – a boiler in which steam or other vapor is generated at a pressure of more than 15 psi for use external to itself;

(B) miniature boiler – a power boiler or high-temperature water boiler that does not exceed the following limits:

(i) 16 inches inside diameter of shell;

(ii) 20 square feet heating surface; this sub-subparagraph is not applicable to electric boiler;

(iii) five cubic feet gross volume exclusive of casing and insulation; and

(iv) 100 psi maximum allowable working pressure;

(C) waste heat boiler – an unfired pressure vessel or system of unfired pressure vessels intended for the purpose of producing and controlling an output of thermal energy;

(D) steam heating boiler – a boiler designed to convert water into steam that is supplied to an external space heating system;

(E) hot water heating boiler – a boiler designed to heat water for

circulation through an external space heating system;

(F) hot water supply boiler – a boiler used to heat water for purposes other than space heating;

(G) portable boiler – a boiler which is primarily intended for temporary location and the construction and usage of which permits it to be readily moved from one location to another;

(H) electric boiler – a power boiler or a high-temperature water boiler in which the source of heat is electricity; and

(I) high-temperature water boiler – a water boiler intended for operation at pressures in excess of 160 psi or temperatures in excess of 250 degrees Fahrenheit;

(4) “certificate of inspection” means a certificate issued by the department for the operation of a boiler or unfired pressure vessel, as required by AS 18.60.340 and 18.60.390;

(5) “chief inspector” means the individual who is in charge of boiler and pressure vessel inspections in the mechanical inspection section of the division of labor standards and safety in the department;

(6) “commissioner” means the commissioner of labor and Workforce Development;

(7) “department” means the Alaska Department of Labor and Workforce Development;

(8) “director” means the director of the labor standards and safety division of the department, or his or her designee;

(9) “discharge capacity” means the discharge capacity of safety or safety relief valves in terms of Btu's or pounds per hour;

(10) “external inspection” means an inspection made when a boiler or unfired pressure vessel is in operation;

(11) “internal inspection” means as complete an examination as can reasonably be made of the internal and external surfaces of a boiler or unfired pressure vessel while it is shut down, with manhole plates, handhole plates or other inspection opening closures removed as required by the inspector;

(12) “owner or user” means any person that is legally responsible for the safe installation, operation, and maintenance of a boiler or unfired pressure vessel within the state;

(13) “pressure vessel” means a vessel in which the pressure is obtained from an external source, or by the application of heat from an indirect source, or from a direct source other than those boilers defined in (3) of this section;

(14) “psi” means pounds per square inch;

(15) “repair” means the work necessary to restore a boiler or unfired pressure vessel to a safe and satisfactory operating condition, in accordance with the provisions of the *NBIC*;

(16) “NB” means the National Board of Boiler and Pressure Vessel Inspectors;

(17) “*NBIC*” means the *National Board Inspection Code Manual for Boiler and Pressure Vessel Inspectors*, as adopted in AS 18.60.315;

(18) “R stamp” means the repair stamp issued by the National Board of Boiler and Pressure Vessel Inspectors for the repair of boilers or pressure vessels;

(19) “VR stamp” means the safety or safety relief valve repair stamp issued

by the National Board of Boiler and Pressure Vessel Inspectors;

(20) “automatic utility hot water heater” means a vessel in which potable water is heated by the combustion of fuel, by electricity, or by any other source, and withdrawn for external use;

(21) “Btu” means British thermal unit;

(22) “control copy” means a quality system manual described in the *NBIC*, RA 2151(e);

(23) “deputy inspector” means an employee of the department assigned by the department chief inspector to conduct inspections under this chapter;

(24) “kPa” means kilopascal;

(25) repealed 9/25/2002;

(26) “special inspector” means an individual commissioned under AS 18.60.240 and 8 AAC 80.040 to perform inspections under this chapter;

(27) “approved inspector” means an employee of the department appointed by the commissioner and approved by the director to perform inspections of cast iron boilers and domestic hot water heaters under AS 18.60.180 – 18.60.395 and this chapter;

(28) “National Board” has the same meaning given for the term "NB" in this section;

(29) “combination boiler-water heater unit” means a water heating device that combines the function of an automatic utility hot water heater and a space heating boiler in a single unit.

(b) As used in AS 18.60.210(a)(5), “inside diameter not exceeding six inches” means having a cross sectional area no greater than 28.26 square inches.

(c) As used in AS 18.60.210(a)(2), “unfired pressure vessels” means portable “DOT” stamped pressure vessels used for the shipment of liquids or gases under pressure.

(d) As used in AS 18.60.210(a)(6), “place of public assembly” has the same meaning given “public structures” in AS 18.60.660. (Eff. 6/21/84, Register 90; am 10/21/92, Register 124; am 12/17/99, Register 152; am 11/1/2000, Register 156; am 9/25/2002, Register 163; am 12/6/2003, Register 168; am 9/27/2008, Register 187 am 2/23/2011, Register 197; am ___/___/___, Register ___)

Authority: AS 18.60.180 AS 18.60.315

Editor's note: For the purposes of 8 AAC 80, the Anchorage office of the Department of Labor and Workforce Development can be contacted at Mechanical Inspection Section, Division of Labor Standards and Safety, Department of Labor and Workforce Development, **1251 Muldoon Rd, Suite 113** [3301 EAGLE STREET, SUITE 302], Anchorage, AK **99504** [99503]; **telephone:** [PHONE:] (907) 269-4925.

As of Register 151 (October 1999), the regulations attorney made technical revisions under AS 44.62.125 (b)(6) to reflect the name change of the Department of Labor to the Department of Labor and Workforce Development made by ch. 58, SLA 1999 and the corresponding title change of the commissioner of labor.

As of Register 204 (January 2013), the regulations attorney made a technical revision under AS 44.62.125(b)(6), to the definition of “ASME Code” in 8 AAC 80.900(a).

8 AAC 90.130 is repealed and readopted to read:

8 AAC 90.130. Plumber journeyman certificate of fitness. (a) A plumber journeyman certificate of fitness authorizes the holder of the certificate to perform work that is subject to the standards established in AS 18.60.705 and 8 AAC 63.010.

(b) A plumber journeyman certificate of fitness will be issued by the department upon payment of the applicable fees required by AS 18.62.030, if the applicant

(1) passes an examination given by the department; and

(2) submits one of the following:

(A) documented proof on a notarized form provided by the department, or by notarized statements on letterhead stationery from employers, that the applicant has a minimum of 8,000 hours of legally obtained work experience in work subject to standards established in AS 18.60.705 and 8 AAC 63.010 while indentured in an apprentice plumber program accredited by the United States Department of Labor, Office of Apprenticeship; or

(B) documented proof on a notarized form provided by the department, or by notarized statements on letterhead stationery from employers, that the applicant has a minimum of 12,000 hours of legally obtained work experience in work subject to standards established in AS 18.60.705 and 8 AAC 63.010; or

(C) a sworn affidavit from an official of an Alaska-based union, on a form provided by the department, that demonstrates that the applicant meets the experience requirements set out in (A) of this paragraph; the affidavit must specify

(i) the number of qualifying hours of experience the applicant claims for classification for which the applicant seeks certification;

(ii) the inclusive dates during which the hours claimed in (i) of this subparagraph were worked; and

(iii) the type of work performed and the name of each contractor for whom the work was performed.

(c) The department will count no more than

(1) 500 hours of plumber restricted PU work toward the work experience required in (b) of this section; or

(2) 2,000 hours of plumber restricted PG work toward the work experience required in (b) of this section.

(d) Classroom hours earned in a United States Department of Labor registered apprenticeship program or an accredited educational training program in the plumbing field may be substituted for up to 1,000 hours of work experience required under (b) of this section. (Eff. 9/13/80, Register 75; am 12/25/98, Register 148; am 11/1/2000, Register 156; am 9/27/2008, Register 187; am 5/9/2018, Register 226; am ___/___/___, Register _____)

Authority: AS 18.62.020 AS 18.62.050 AS 18.62.070
 AS 18.62.030 AS 18.62.060

8 AAC 90.137 is repealed and readopted to read:

8 AAC 90.137. Plumber restricted PU certificate of fitness. (a) A plumber restricted PU certificate of fitness authorizes the holder of the certificate to install

(1) water service piping from the street, right-of-way main, water well, or storage tank to the first stop valve of the serviced structure or other point of use or distribution on the serviced property;

(2) building sewer piping from within two feet of a serviced structure to a public sewer, private sewer, private sewage disposal system, or other point of disposal; and

(3) building storm drains that receive the discharge of roof drains, leaders, downspouts, or conductors, if the storm drains are installed from within two feet of a commercial structure, or from within two feet of a residential structure of four or more dwelling units, to the street, the right-of-way main line, or a point of disposal approved by the federal, state, or local agency having jurisdiction.

(b) A plumber restricted PU certificate of fitness will be issued by the department upon payment of the applicable fees required by AS 18.62.030, if the applicant

(1) submits documented proof of legally obtained experience on a notarized form provided by the department, or by notarized statement on letterhead stationery from employers, that the applicant has worked for at least 1,000 hours installing water, sewer, or storm lines subject to the standards established in AS 18.60.705 and 8 AAC 63.010; or

(2) presents to the department, on a form provided by the department, a sworn affidavit from an official of an Alaska-based union that demonstrates that the applicant meets the work experience requirements set out in (1) of this subsection; the affidavit must specify the number of qualifying hours' experience the applicant claims for the classification for which the applicant seeks certification; apprenticeship hours must be noted if apprenticeship hours are being used for qualification;

(A) the inclusive dates during which the hours claimed in (2) of this paragraph were worked; and

(B) the type of work performed and the name of each contractor for whom the work was performed.

(a) An accredited apprenticeship classroom program or educational training in the plumbing field may be substituted for up to 125 hours' work experience in work that is subject to the standards established in AS 18.60.705 and 8 AAC 63.010. (Eff. 12/25/98, Register 148; am 9/27/2008, Register 187; am 2/23/2011, Register 197; am ___/___/___, Register ___)

Authority: AS 18.62.030 AS 18.62.060 AS 23.05.060
AS 18.62.050 AS 18.62.070

8 AAC 90.140 is repealed and readopted to read:

8 AAC 90.140. Plumber trainee certificate of fitness. (a) A trainee certificate of fitness authorizes the holder to perform work subject to the standards established in AS 18.60.705 and performed under the conditions set out under this section.

(b) The department will issue a trainee certificate of fitness upon payment of the applicable fees required by AS 18.62.030.

(c) The ratio of individuals working under trainee certificates on a job site may not be more than two plumber trainees for every certified plumber journeyman.

(d) The department may enter into reciprocal agreements with the corresponding licensing agency of another state when licensure requirements are substantially equivalent to the requirements of this state. The department may issue a reciprocal certificate of fitness to a journeyman plumber from a state with whom the department has a reciprocal agreement, if the applicant tested for the applicant's certificate in the reciprocal state and if the applicant has held that other state's certificate for at least one year. (Eff. 9/13/80, Register 75; am 6/14/84, Register

90; am 12/25/98, Register 148; am 9/25/2002, Register 163; am 12/6/2003, Register 168; am 6/14/2006, Register 178; am 9/27/2008, Register 187; am ___/___/____, Register ____)

Authority: AS 18.62.030 AS 18.62.060 AS 23.05.060
AS 18.62.050 AS 18.62.070

8 AAC 90.160 is repealed and readopted to read:

8 AAC 90.160. Electrician journeyman certificate of fitness. (a) An electrician journeyman certificate of fitness authorizes the holder of the certificate to perform work that is subject to the standards of the *National Electrical Code* established in AS 18.60.580 and 8 AAC 70.025.

(b) An electrician journeyman certificate of fitness will be issued by the department upon payment of the applicable fees required by AS 18.62.030, if the applicant

(1) passes an examination given by the department; and

(2) submits one of the following:

(A) documented proof on a notarized form provided by the department, or by notarized statements on letterhead stationery from employers, that the applicant has a minimum of 8,000 hours of legally obtained work experience in work subject to standards of the *National Electrical Code* established in AS 18.60.580 and 8 AAC 70.025 while indentured in an apprentice electrician program accredited by the United States Department of Labor, Office of Apprenticeship; or

(B) documented proof on a notarized form provided by the department, or by notarized statements on letterhead stationery from employers, that the applicant has a minimum of 12,000 hours of legally obtained work experience in work subject to

standards of the *National Electrical Code* established in AS 18.60.580 and 8 AAC 70.025; or

(C) a sworn affidavit from an official of an Alaska-based union, on a form provided by the department, that demonstrates that the applicant meets the experience requirements set out in (A) of this paragraph; the affidavit must specify

(i) the number of qualifying hours of experience the applicant claims for classification for which the applicant seeks certification;

(ii) the inclusive dates during which the hours claimed in (i) of this subparagraph were worked; and

(iii) the type of work performed and the name of each contractor for whom the work was performed.

(c) The department will count no more than 2,000 hours of residential electrical work towards the minimum work experience required under this section.

(d) Classroom hours earned in a United States Department of Labor registered apprenticeship program, accredited training program, or educational training program under 8 AAC 90.300 in the electrical field may be substituted for up to 1,000 hours of work experience required under this section.

(e) Up to 1,000 hours of experience as a power lineman may be used to meet the work experience requirements of this section.

(f) Experience as a maintenance electrician may not be used to meet the work experience requirements of this section.

(g) The department may enter into reciprocal agreements with the corresponding licensing agency of another state when licensure requirements are substantially equivalent to the

requirements of this state. The department may issue a reciprocal certificate of fitness to a journeyman electrician from a state with whom the department has a reciprocal agreement, if the applicant tested for the applicant's certificate in the reciprocal state and if the applicant has held that other state's certificate for at least one year. (Eff. 9/13/80, Register 75; am 12/25/98, Register 148; am 12/17/99, Register 152; am 9/25/2002, Register 163; am 9/27/2008, Register 187; am 5/9/2018, Register 226; am ___/___/___, Register ___)

Authority: AS 18.62.020 AS 18.62.050 AS 18.62.070
AS 18.62.030 AS 18.62.060

8 AAC 90.162 is repealed and readopted to read:

8 AAC 90.162. Power lineman journeyman certificate of fitness. (a) A power lineman journeyman certificate of fitness authorizes the holder of the certificate to perform the work that is described in 8 AAC 90.900(15) and subject to the *National Electrical Safety Code* established in AS 18.60.580 and 8 AAC 70.025.

(b) A power lineman journeyman certificate of fitness will be issued by the department upon payment of the applicable fees required by AS 18.62.030, if the applicant submits one of the following:

(1) documented proof on a notarized form provided by the department, or by notarized statements on letterhead stationery from employers, that the applicant has a minimum of 8,000 hours of legally obtained work experience in work subject to the *National Electrical Safety Code* established in AS 18.60.580 and 8 AAC 70.025 while indentured in an apprentice electrician program accredited by the United States Department of Labor, Office of Apprenticeship; or

(2) documented proof on a notarized form provided by the department, or by notarized statements on letterhead stationery from employers, that the applicant has a minimum of 12,000 hours of legally obtained work experience in work subject to the National Electrical Safety Code established in AS 18.60.580 and 8 AAC 70.025; or

(3) a sworn affidavit from an official of an Alaska-based union, on a form provided by the department, that demonstrates that the applicant meets the experience requirements set out in (1) of this paragraph; the affidavit must specify

(A) the number of qualifying hours of experience the applicant claims for classification for which the applicant seeks certification;

(B) the inclusive dates during which the hours claimed in (A) of this subparagraph were worked; and

(C) the type of work performed and the name of each contractor for whom the work was performed.

(c) Classroom hours earned in a United States Department of Labor registered apprenticeship program, accredited training program, or educational training program under 8 AAC 90.300 in the electrical field may be substituted for up to 1,000 hours of work experience required under this section.

(d) Experience as an electrician may be substituted for up to 1,000 hours' work experience required under this section.

(e) Experience as a maintenance electrician may not be used to meet the work experience requirements of this section. (Eff. 12/25/98, Register 148; am 9/25/2002, Register 163; am 9/27/2008, Register 187; am 5/9/2018, Register 226; am ___/___/___, Register ___)

Authority: AS 18.62.020 AS 18.62.050 AS 18.62.070

AS 18.62.030

AS 18.62.060

8 AAC 90.165 is repealed and readopted to read:

8 AAC 90.165. Electrician and power lineman trainee certificates of fitness. (a) A trainee certificate of fitness authorizes the holder to perform work subject to the standards established in AS 18.60.580 and performed under the conditions set out under this section.

(1) The department will issue a trainee certificate of fitness upon payment of the applicable fees required by AS 18.62.030.

(b) The ratio of individuals working under trainee certificates on a job site may not be more than two electrician trainees for every certified electrician journeyman or residential wireman, as applicable, or two power lineman trainees for every certified power lineman journeyman.

(c) Notwithstanding (a) - (b) of this section,

(1) a person holding a power lineman journeyman certificate of fitness may work as a trainee on a project within the scope of the *National Electrical Code* established in AS 18.60.580 and 8 AAC 70.025(a);

(2) a person holding a residential wireman certificate of fitness may work as a trainee on a project within the scope of the *National Electrical Safety Code* established in AS 18.60.580 and 8 AAC 70.025(b) and on a project within the scope of the *National Electrical Code* that is outside the scope of a residential wireman; and

(3) a person holding an electrical journeyman certificate of fitness may work as a trainee on a project within the scope of the *National Electrical Safety Code*. (Eff. 9/13/80, Register 75; am 6/14/84, Register 90; am 12/25/98, Register 148; am 12/17/99, Register 152; am

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9/25/2002, Register 163; am 12/6/2003, Register 168; am 6/14/2006, Register 178; am 9/27/2008, Register 187; am ___/___/___, Register ____)

Authority: AS 18.62.030 AS 18.62.060 AS 18.62.070
AS 18.62.050

The article heading for Article 8 is amended to read:

Article 9 [8]. General Provisions.

(Eff. ___/___/___, Register ____)

8 AAC is amended by adding a new article to read:

Article 8 – Student Trainee Certificate of Fitness

(Eff. ___/___/___, Register ____)

8 AAC 90 is amended by adding a new section to read:

8 AAC 90.300. Student trainee certificate of fitness. (a) A student trainee certificate of fitness authorizes the holder of the certificate to perform work that is subject to the standards of the *Uniform Plumbing Code* established in AS 18.60.580 and 8 AAC 63.010, and the *National Electrical Code* established in AS 18.60.705 and 8 AAC 70.025, and under the conditions set out under this section.

(b) The department may issue a student trainee certificate of fitness if the applicant

(1) submits to the department, on a form provided by the department, that the applicant is currently enrolled in a state or federally administered education program or an education program administered by an Alaska school district or charter school program, which

includes instruction and supervision in the performance of work subject to the standards in (a) of this section.

(2) submits a description of the training curriculum and a form to be provided by the department, completed by the educational program, stating that

(A) the student trainee will be working under the direct supervision of a journeyman certificate of fitness holder, qualified to perform the work being supervised, while performing work subject to the code;

(B) the program will adhere to the journeyman supervision ratio described in this section; and

(C) the program agrees to have all work performed by student trainees inspected by the authority having jurisdiction as required by state law or local ordinance.

(3) pays the applicable fees under AS 18.62.030, unless such fees are waived by the commissioner.

(c) The ratio of individuals working under student trainee certificates on a job site may not be more than ten student trainees for every certified journeyman, subject to the type of code work performed.

(d) Hours worked in accordance with this section will be considered work legally performed in accordance with 8 AAC 90.890.

(e) Certificates granted under this section are only valid under the specific terms established in this section. A certificate granted under this section may be transferred to a standard trainee certificate of fitness upon application to the department. (Eff. ___/___/___,

Register ____)

Authority: AS 18.62.030 AS 18.62.060 AS 18.62.070

AS 18.62.050

8 AAC 90.900 is repealed and readopted to read:

8 AAC 90.900. Definitions. In this chapter and AS 18.62, unless the context requires otherwise

(1) “accredited” means approved by the United States Department of Labor, Office of Apprenticeship;

(2) “apprentice” means a worker at least 16 years of age who is legally performing work to learn a skilled trade;

(3) “commissioner” means the commissioner of the Department of Labor and Workforce Development or the commissioner's designee;

(4) “day” means a calendar day;

(5) “department” means the Department of Labor and Workforce Development;

(6) “direct supervision” means that while the trainee is legally performing work to the Standards established in either AS 18.60.580 and 8 AAC 70.025 or AS 18.60.705 and 8 AAC 63.010 a certified journeyman is on the same job site, on the same floor and in close and continual control of the trainee and is responsible for the competency of the work performed by the trainee;

(7) “director” means the director of the labor standards and safety division of the department, or the director's designee;

(8) “division” means the labor standards and safety division of the department;

(9) “electrician journeyman” means a person who performs work necessary to the installation and construction of electrical work within buildings and within property lines of any

given property, beginning at the secondary side of the transformer, subject to the *National Electrical Code*, but does not include a person performing linework consisting of poles and towers, including wires or cables and other apparatus supported by them;

(10) “electrical wiring” does not include operating tree trimming equipment to trim brush or remove trees around electrical lines or operating a helicopter or heavy power equipment, such as cranes, loaders, excavators, piledriving equipment, and other construction heavy equipment used in connection with electrical code work;

(11) “examination” means a series of prepared questions administered by the department in writing or orally, or both;

(12) “inspector” means an inspector of the labor standards and safety division of the department, or a designee;

(13) “plumber journeyman” means a person who performs plumbing work in the installation, removal, alteration, or repair of plumbing and drainage systems, within the property lines of the premises; in this paragraph, “plumbing and drainage systems”

(A) includes all

- (i) building supply and distribution piping for potable water;
- (ii) water treating or utilization equipment;
- (iii) plumbing fixtures and traps;
- (iv) drainage and vent pipes;
- (v) building drains and building sewers;
- (vi) medical gas and medical vacuum systems;
- (vii) liquid and fuel gas piping;
- (viii) swimming pool, spa, and hot tub piping;

(ix) joints, connections, devices, receptacles, appurtenances, water heaters, and vents for items listed in (i) - (viii) of this subparagraph and within the property lines of the premises; and

(x) harbor distribution piping for potable water.

(B) does not include the mains of a public sewer system or a public sewage treatment or disposal plant;

(14) “plumber restricted PG” means a person authorized with a certificate of fitness to install fuel and gas piping within property lines of the premises;

(15) “plumber restricted PU” means a person authorized with a certificate of fitness to install

(A) water service piping from the street, right-of-way main, water well, or storage tank to the first stop valve of the serviced structure or other point of use or distribution on the serviced property;

(B) building sewer piping from within two feet of a serviced structure to a public sewer, private sewer, private sewage disposal system, or other point of disposal; and

(C) building storm drains that receive the discharge of roof drains, leaders, downspouts, or conductors, if the storm drains are installed from within two feet of a commercial structure, or from within two feet of a residential structure of four or more dwelling units, to the street, the right-of-way main line, or a point of disposal approved by the federal, state, or local agency having jurisdiction;

(16) “plumbing” does not include operating heavy power equipment such as cranes, loaders, excavators, piledriving equipment, and other construction heavy equipment used in connection with plumbing code work.

(17) “power lineman journeyman” means a person who performs work necessary to the assembly, installation, or erection of all electrical apparatus, devices, wires, cables, supports, insulators, conductors, ducts, and raceways when part of primary distributing systems outside of buildings, regardless of whether within property lines of any given property, including outdoor substations and electrical connections up to and including the setting of transformers and the connecting of busses to them;

(18) “residential wireman” means a person who performs work necessary to the installation, construction, and operation of residential electrical systems, beginning at the point of attachment of the service drop or the service lateral on the load side of the meter, and whose work is limited to residential occupancies providing for no more than four residential units on a common foundation;

(19) “trainee” means an individual who is legally performing work to learn a skilled trade on the job under the training and direct supervision of an experienced craft journeyman plumber or electrician and who, during the training, is given opportunities to develop progressive skills in that trade. (Eff. 9/13/80, Register 75; am 6/14/84, Register 90; am 12/25/98, Register 148; am 9/27/2008, Register 187; am 3/6/2016, Register 217; am ___/___/___, Register ___)

Authority: AS 18.62.060 AS 23.05.060

Editor's note: For the purposes of 8 AAC 90, the Anchorage office can be contacted at Mechanical Inspection, 1251 Muldoon Road, Suite 113, Anchorage, Alaska 99504; phone: (907)

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