3701:1-58-18 **Training for radiation safety officer and associate radiation safety officer.**

Except as provided in rule 3701:1-58-21 of the Administrative Code, the licensee shall require an individual fulfilling the responsibilities of the radiation safety officer or an individual assigned duties and tasks as an associate radiation safety officer as provided in rule 3701:1-58-12 of the Administrative Code to be an individual who:

(A) Is certified by a specialty board whose certification process has been recognized by the director, the United States nuclear regulatory commission, or an agreement state and who meets the requirements in ~~paragraphs~~paragraph (D) ~~and (E)~~ of this rule. The names of board certifications which have been recognized by the director, the United States nuclear regulatory commission, or an agreement state will be posted on the United States nuclear regulatory commission's "Medical Uses Licensee Toolkit" web page at www.nrc.gov. To have its certification process recognized, a specialty board shall require all candidates for certification to:

(1)

(a) Hold a bachelor's or graduate degree from an accredited college or university in physical science or engineering or biological science with a minimum of twenty college credits in physical science;

(b) Have five or more years of professional experience in health physics, for which graduate training may be substituted for no more than two years of the required experience, with at least three years in applied health physics; and

(c) Pass an examination administered by diplomates of the specialty board, which evaluates knowledge and competence in radiation physics and instrumentation, radiation protection, mathematics pertaining to the use and measurement of radioactivity, radiation biology, and radiation dosimetry; or

(2)

(a) Hold a master's or doctor's degree in physics, medical physics, other physical science, engineering, or applied mathematics from an accredited college or university;

(b) Have two years of full-time practical training and/or supervised experience in medical physics:

(i) Under the supervision of a medical physicist who is certified in medical physics by a specialty board recognized by the director, United States nuclear regulatory commission, or an agreement state; or

(ii) In clinical nuclear medicine facilities providing diagnostic and/or therapeutic services under the direction of physicians who meet the requirements for authorized users in rule 3701:1-58-21, 3701:1-58-36 or rule 3701:1-58-40 of the Administrative Code; and

(c) Pass an examination, administered by diplomates of the specialty board, that assesses knowledge and competence in clinical diagnostic radiological or nuclear medicine physics and in radiation safety; or

(B) Has achieved the following requirements:

(1) Has completed a structured educational program consisting of both:

(a) Two hundred hours of classroom and laboratory training in the following areas:

(i) Radiation physics and instrumentation;

(ii) Radiation protection;

(iii) Mathematics pertaining to the use and measurement of radioactivity;

(iv) Radiation biology; and

(v) Radiation dosimetry; and

(b) One year of full-time radiation safety experience under the supervision of the individual identified as the radiation safety officer on a United States nuclear regulatory commission or agreement state license, or permit issued by a United States nuclear regulatory commission master material licensee, that authorizes similar type(s) of use(s) of radioactive material ~~involving the following:~~. An associate radiation safety officer may provide supervision for those areas for which the associate radiation safety officer is authorized on a United States nuclear regulatory commission or agreement state license, or permit issued by a United States nuclear regulatory commission master material licensee. The full-time radiation safety experience must involve the following:

(i) Shipping, receiving, and performing related radiation surveys;

(ii) Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and instruments used to measure radionuclides;

(iii) Securing and controlling radioactive material;

(iv) Using administrative controls to avoid mistakes in the administration of radioactive material;

(v) Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures;

(vi) Using emergency procedures to control radioactive material; and

(vii) Disposing of radioactive material; ~~or~~and

(2) This individual must obtain a written attestation, signed by a preceptor radiation safety officer or associate radiation safety officer who has experience with the radiation safety aspects of similar types of use of radioactive material for which the individual is seeking approval as a radiation safety officer or an associate radiation safety officer. The written attestation must state that the individual has satisfactorily completed the requirements in paragraphs (B)(1) and (D) of this rule, and is able to independently fulfill the radiation safety-related duties as a radiation safety officer or as an associate radiation safety officer for a medical use license; or

(C)

(1) Is a medical physicist who has been certified by a specialty board whose certification process has been recognized by the director, United States nuclear regulatory commission, or an agreement state under paragraph (A) of rule 3701:1-58-19 of the Administrative Code and has experience in radiation safety for similar types of use of radioactive material for which the licensee is seeking the approval of the individual as radiation safety officer or an associate radiation safety officer and who meets the requirements in ~~paragraphs~~paragraph (D) ~~and (E)~~ of this rule; or

(2) Is an authorized user, authorized medical physicist, or authorized nuclear pharmacist identified on a United States nuclear regulatory commission or an agreement state license, a permit issued by a United States nuclear regulatory commission master material licensee, a permit issued by a United States nuclear regulatory commission or an agreement state licensee of broad scope, or a permit issued by a United States nuclear regulatory commission master material license broad scope permittee, ~~the licensee's license and~~ has experience with

the radiation safety aspects of similar types of use of radioactive material for which the ~~individual has radiation safety officer responsibilities; and,~~licensee seeks the approval of the individual as the radiation safety officer or associate radiation safety officer, and meets the requirements in paragraph (D) of this rule; or

(3) Has experience with the radiation safety aspects of the types of use of radioactive material for which the individual is seeking simultaneous approval both as the radiation safety officer and the authorized user on the same new medical use license or new medical use permit issued by a United States nuclear regulatory commission master material license. The individual must also meet the requirements in paragraph (D) of this rule.

~~(D) Has obtained written attestation, signed by a preceptor radiation safety officer, that the individual has satisfactorily completed the requirements in paragraph (E) and in paragraphs (A)(1)(a) and (A)(1)(b) or (A)(2)(a) and (A)(2)(b) or (B)(1) or (C)(1) or (C)(2) of this rule, and has achieved a level of radiation safety knowledge sufficient to function independently as a radiation safety officer for a medical use licensee; and~~

~~(E)~~(D) Has training in the radiation safety, regulatory issues, and emergency procedures for the types of use for which a licensee seeks approval. This training requirement may be satisfied by completing training that is supervised by a radiation safety officer, an associate radiation safety officer, authorized medical physicist, authorized nuclear pharmacist, or authorized user, as appropriate, who is authorized for the type(s) of use for which the licensee is seeking approval.

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CERTIFIED ELECTRONICALLY

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02/04/2021

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