

10A NCAC 15 .0214 TRAINING AND EDUCATIONAL REQUIREMENTS FOR EQUIPMENT SERVICES

(a) Each person registered pursuant to Rule .0205 of this Section shall be qualified by reason of education, training and experience to provide the services for which registration is requested. The following are minimum qualifications for specific types of services:

- (1) Class I - sales of radiation machines and machine components to end users: The applicant must certify knowledge of familiarity with the rules which govern the possession, installation and use of radiation machines in North Carolina.
- (2) Class II - installation and service of radiation machines and machine components including the making of diagnostic radiation output measurements to verify performance associated with the installation or service:
 - (A) manufacturer's equipment school for service, maintenance and installation for the type of machine use (e.g. dental intraoral, medical diagnostic or medical fluoroscopic) or equivalent training;
 - (B) training in principles of radiation protection; and
 - (C) three months of experience in installation and service of radiation machines and machine components.
- (3) Class III - diagnostic radiographic facility and shielding design:
 - (A) training in principles of radiation protection;
 - (B) training in shielding design; and
 - (C) one year of experience in diagnostic radiographic facility and shielding design for the specific type of machine application.
- (4) Class IV - diagnostic fluoroscopic facility and shielding design:
 - (A) training in principles of radiation protection;
 - (B) training in shielding design; and
 - (C) one year of experience in diagnostic fluoroscopic facility and shielding design for the specific type of machine application.
- (5) Class V - diagnostic area radiation survey, e.g., shielding evaluation:
 - (A) training in basic radiological health;
 - (B) training in shielding evaluation; and
 - (C) one year of experience performing area radiation surveys.
- (6) Class VI - radiation instrument calibration: The applicant must possess a current radioactive materials license or registration authorizing radiation instrument calibration.
- (7) Class VII - therapeutic facility and shielding design, area radiation survey, or calibration:
 - (A) certification by the American Board of Radiology in therapeutic radiological physics, radiological physics, roentgen-ray and gamma ray physics, or x-ray and radium physics; or certification by the American Board of Medical Physics; or
 - (B) having the following minimum training and experience:
 - (i) a master's degree in physics, biophysics, radiological physics or health physics;
 - (ii) one year of full-time training in therapeutic radiological physics
 - (iii) one year of full-time experience in a therapeutic facility including personal calibration and spot-check of at least one machine;
 - (C) shall submit a description of the procedures that will be utilized in performing therapeutic calibrations including a list of all guides and references to be employed;
 - (D) shall submit a copy of all forms, reports and documents that will be supplied to customers; and
 - (E) shall submit one sample of each specific type, e.g., teletherapy, accelerator.
- (8) Class VIII - personnel dosimetry service: The applicant must hold current personnel dosimetry accreditation from the National Voluntary Laboratory Accreditation Program (NVLAP) of the National Institute of Standards and Technology or use NVLAP accredited dosimetry.
- (9) Class IX - general health physics consulting, e.g., independent diagnostic radiation output measurements, dose analysis, design of safety programs, and radiation safety training programs, non-healing arts facility and shielding design, and area radiation surveys:
 - (A) baccalaureate degree in a physical science (e.g. physics, chemistry or radiologic science), engineering or related field and two years of progressive experience in medical or health physics; graduate training in medical or health physics may be substituted on a year for year basis; or

(B) certification by the American Board of Radiology in therapeutic radiological physics, radiological physics, roentgen-ray and gamma ray physics, or x-ray and radium physics; certification by the American Board of Health Physics in health physics or certification by the American Board of Medical Physics.

(b) Any person not meeting the requirements in Paragraph (a) of this Rule may apply to the agency for registration, provided such person demonstrates education, training and experience which is equivalent to that required in Paragraph (a) of this Rule.

(c) Any person registered prior to the effective date of this Rule to provide equipment services pursuant to Rule .0205 of this Section shall meet the education, training and experience requirements in Paragraph (a) or (b) of this Rule no later than 24 months after the effective date of this Rule.

(d) The agency shall initiate action to terminate the registration of any person who fails to comply with the requirements of Paragraph (c) of this Rule.

*History Note: Authority G.S. 104E-7; 104E-13;
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