

**Technologists Credentials for Computed Tomography Guidance Document  
Pursuant to 10A NCAC 15 .0611**

(a) This Rule provides special requirements for human diagnostic use of computed tomography (CT) X-ray equipment. The uses of Cone Beam CT, Veterinary CT, CT Simulation, and CT attenuation correction shall be exempt from this Rule. The provisions of this Rule are in addition to, and not in substitution for, the Rules in Sections .0100, .0200, .0600, .0900, .1000, and .1600 of this Chapter.

Certifying Entity	Types of Certifications by Certifying Body	CT Acceptable Certifications based on .0611 & ARRT compatibility	CT Accepted Alternatives based on .0611 & ARRT compatibility
American Registry of Radiologic Technology (ARRT)  Website: <a href="http://www.arrt.org">www.arrt.org</a>	<u>PRIMARY CERTIFICATIONS</u> <ul style="list-style-type: none"> <li>• Radiography (R)</li> <li>• Nuclear Medicine Technology (N)</li> <li>• Radiation Therapy (T)</li> <li>• Magnetic Resonance Imaging (MR)</li> <li>• Sonography (S)</li> </ul> <u>POST-PRIMARY CERTIFICATIONS</u> <ul style="list-style-type: none"> <li>• Mammography (M)</li> <li>• Computed Tomography (CT)</li> <li>• Magnetic Resonance Imaging (MR)</li> <li>• Quality Management (QM)</li> <li>• Bone Densitometry (BD)</li> <li>• Cardiovascular Interventional Radiography (CV)</li> <li>• Cardiac Interventional Radiography (CI)</li> <li>• Vascular Interventional Radiography (VI)</li> <li>• Sonography (S)</li> <li>• Vascular Sonography (VS)</li> <li>• Breast Sonography (BS)</li> </ul>	ARRT Post-Primary Certification in CT <ul style="list-style-type: none"> <li>• R.T.(R)(CT) ARRT</li> <li>• R.T.(N)(CT) ARRT</li> <li>• R.T.(T)(CT) ARRT</li> </ul> From NMTCB with ARRT Post-Primary Certification in CT <ul style="list-style-type: none"> <li>• CNMT, R.T.(CT) ARRT</li> </ul>	From ARRT <ul style="list-style-type: none"> <li>• R.T.(R) ARRT with documented CT training and documented CT experience per ARRT</li> </ul>
Nuclear Medicine Technology Certification Board (NMTCB)  Website: <a href="http://www.nmtcb.org">www.nmtcb.org</a>	<u>PRIMARY CERTIFICATION</u> <ul style="list-style-type: none"> <li>• Nuclear Medicine CNMT</li> </ul> <u>POST-PRIMARY CERTIFICATIONS</u> <ul style="list-style-type: none"> <li>• Computed Tomography (CT)</li> <li>• Radiation Safety (RS)</li> <li>• Positron Emission Tomography (PET)</li> <li>• Nuclear Cardiology Technology (NCT)</li> </ul>	ARRT Post-Primary Certification in CT <ul style="list-style-type: none"> <li>• CNMT, R.T.(CT) ARRT</li> </ul>	From NMTCB <ul style="list-style-type: none"> <li>• CNMT with documented CT training and documented CT experience per ARRT</li> <li>• CNMT(CT) with documented CT training and documented CT experience per ARRT</li> </ul>

**North Carolina Regulations for Protection Against Radiation 10A NCAC 15 .0611(d)**

Personnel Requirements. Individuals who operate CT X-ray systems shall be specifically trained on the operational features of the unit and:

- (1) hold CT registration with the American Registry of Radiologic Technologists (ARRT); or
- (2) be an ARRT-registered technologist with the registration in radiography [i.e., RT(R)] or a Certified Nuclear Medicine Technologist (CNMT) by the Nuclear Medicine Technology Certification Board; these individuals shall document training and experience that is equivalent to that required to attain (CT) registration with the ARRT; or
- (3) be in training under the personal supervision of an individual that meets the requirements of Subparagraph (d)(1) or (d)(2) of this Rule.

**CT Personal Supervision according to 10A NCAC 15 .0611 (d)(3)**

(3) be in training under the personal supervision of an individual that meets the requirements of Subparagraph (d)(1) or (d)(2) of this Rule.

**Supervision Defined according to 10A NCAC 15 .0611**

(2) "general supervision" means the activity is performed under the qualified supervisor's overall direction and control but the qualified supervisor's physical presence shall not be required during the activity.

(3) "personal supervision" means overall direction, control, and training of an individual by a qualified supervisor who shall be physically present during the activities performed by the supervised individual.

**Documented Training Requirement:** Alternative must be compatible with ARRT education requirements for CT Registry.

Individuals must complete 16 hours of structured education each category of Patient Care, Safety, Imaging Protocols and Procedures. The education must meet the same standards as CE activities, in that it must be either RCEEM-approved or university-awarded. Structured education activities that are only state-approved will not satisfy these requirements. Refer to this link for details: [ARRT Training Experience](#).

Training must be completed in a 24 month time frame prior to qualification.

**Documented Experience Requirement:** Alternative must be compatible with ARRT clinical training requirements for CT registry.

Clinical experience requirements for CT consist of 59 procedures in six different categories: Head, Spine, and Musculoskeletal; Neck and Chest; Abdomen and Pelvis; Additional Procedures; Imaging Display and Post Processing; Quality Assurance. Individuals must choose a minimum of 25 different procedures out of the 59 procedures defined by the ARRT. Individuals must complete and document a minimum of three and a maximum of five repetitions of each chosen procedure. (Less than three cannot be counted toward the total.) **A minimum of 125 of directly supervised procedures is required.** No more than one procedure may be documented on one patient. For example, if an order requests chest, abdomen, and pelvis scans for one patient, only one of these may be documented for clinical experience documentation. CT attenuation (for PET or SPECT) or CT simulation (for radiation therapy treatment planning) are not eligible for CT clinical experience documentation. Refer to this link for details: [ARRT Clinical Experience](#)

Procedures must be completed in a 24 month time frame prior to qualification.