Physicist Credentials for Computed Tomography Qualified Expert
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.

The CT QE must be registered with the NC Radiation Protection Section to provide Class IX general health physics consulting services pursuant to 10A NCAC 15 .0205 and .0214 (a)(9)

AND

Masters or Doctoral Degree	**Advance Degree Equivalent Disciplines**	**Acceptable documents by guidance from certifying boards**
• Physics • Medical Physics • Biophysics • Radiological Physics • Medical Health Physics • Equivalent disciplines **Degrees shall be granted from a College or University accredited by an agency recognized by the US Department of Education**	Submitted to the Agency for approval following American Board of Radiology (ABR), Canadian College of Physicists in Medicine (CCPM) and the American Board of Medical Physics (ABMP) standards.	• Copy of degree supported by official transcript direct from College/University
Combined with Documented Training		
• 3 years' work experience in a clinical CT environment • supervised and documented by a medical physicist certified in the specialty area of diagnostic medical physics by the ABR, CCPM, or ABMP	Certification of qualified supervisor verified by: • Current listing with ABR, CCPM or ABMP • If inactive, either a copy of ABR, CCPM or ABMP certificate of qualified supervisor or clear designation of qualifying certificate within training documents	• Copy of certificate from accredited residency or certificate program • Attestation, statement or letter from qualified supervisor

OR certification in the specialty area of diagnostic medical physics by the ABR, the CCPM or the ABMP

Certifying Entity	**Types of Certification by Certifying Body**	**Acceptable Certifications for CT QE**	**Acceptable documents by guidance from certifying boards**
American Board of Radiology (ABR) **Website:** wwwtheabr.org	**Current** • Diagnostic Medical Physics • Nuclear Medical Physics • Therapeutic Medical Physics **Historic examples since 1934 with many not listed here** • Diagnostic Radiological Physics • Diagnostic Radiologic Physics • Diagnostic Imaging Physics • General Radiology • Therapeutic Radiologic Physics • Nuclear Medical Physics • Medical Nuclear Physics • Radiation Therapy Physics	**Current ABR registrations** • Diagnostic Medical Physics • Diagnostic Radiology • General Radiology lifetime certificate **Historic** • Diagnostic Radiological Physics • Diagnostic Radiologic Physics • Diagnostic Imaging Physics **WITH** Current listing with the ABR as meeting or exempt from maintenance of certification (MOC) requirements	• Copy of certificate

Canadian College of Physicists in Medicine (CCPM) **Website:** www.ccpm.ca/	• Diagnostic Radiological Physics • Magnetic Resonance Imaging • Nuclear Medicine Physics • Radiation Oncology Physics	• Diagnostic Radiological Physics **WITH** Current listing with the CCPM as meeting recertification requirements of 50 credits every 5 years as defined in the CCPM regulations.	
American Board of Medical Physics (ABMP) **Website:** www.abmpexam.com	**Current** • Magnetic Resonance Imaging Physics • Medical Health Physics **Historic** • Diagnostic Imaging Physics • Radiation Oncology Physics • Nuclear Medicine Physics	• Diagnostic Imaging Physics • Medical Health Physics **WITH** Current listing with the ABMP as meeting CE requirements (125 continuing education credits every 5 years.)	

10A NCAC 15 .0611 (b)(1) Computed Tomography Qualified Expert (CT)(QE)

(b) The following definitions shall apply to this Rule:

(1) "CT qualified expert (CT QE)" means an individual who is registered or is providing service for a registered facility where they are employed, as required by Section .0200 of this Chapter. The individual shall have the following education and experience:

(A) a master's or doctoral degree in physics, medical physics, biophysics, radiological physics, medical health physics, or equivalent disciplines from a college or university accredited by an agency recognized by the U.S. Department of Education, and three years' work experience in a clinical CT environment. The work experience shall be supervised and documented by a medical physicist certified in the specialty area of diagnostic medical physics by the American Board of Radiology, the Canadian College of Physicists in Medicine, or the American Board of Medical Physics; or

(B) certification in the specialty area of diagnostic medical physics by the American Board of Radiology, the Canadian College of Physicists in Medicine, or the American Board of Medical Physics and shall abide by the certifying body's requirements for continuing education.

10A NCAC 15 .0611 (2) and (3) Supervision Defined

(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.

The CT QE has additional responsibilities found within 10A NCAC 15 .0611

(e) System Performance Evaluations
(f) Routine Quality Control (QC)
(g) Operating Requirements

How to Obtain the CT QE Approval from NC Radiation Protection:

The CT QE is responsible for providing proof of qualifications beginning January 1, 2019. To acquire an agency approval letter if you are working or providing service to CT units located in or coming into North Carolina follow these instructions:

- If registered in N.C as a service provider and you would like to acquire CT QE approval from the agency, submit your qualifications to the service provider email address Credential@dhhs.nc.gov,
- If you are **not** registered in North Carolina as a Service Provider, submit your application for a service provider along with supporting documents for the types of services you plan to provide to Xrayservice@dhhs.nc.gov, The application can be found at https://radiation.ncdhhs.gov/Xray/service.htm,

Once you have received your CT QE approval letter from NC Radiation Protection this document must be provided to each facility where you provide services in accordance with 10A NCAC 15 .0611 on CT units. Attach the CT QE approval letter to each system performance evaluation you send to the facility or provide this document to each facility; whereas the facility maintains a master file of CT QE credentials for those who provide services.