1	10A NCAC 15 .2011 is adopted as published in 39:19 NCR 1225-1262 as follows:	
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3	10A NCAC 15.2011 EMERGING TECHNOLOGIES	
4	(a) Each registrant shall develop, implement, and maintain a dedicated quality management program to con	ntrol the
5	processes used to administer therapeutic radiation with US Food and Drug Administration cleared e	merging
6	technologies or previously unused features of a future or existing technology system.	
7	(b) Implementation and on-going clinical use of the technology dated before the technology arrives at the fa	cility or
8	the new features are used:	
9	(1) Must include an explicit strategy to ensure quality of processes and patient safety.	
10	(2) Must include approval from facility management and the radiation oncology safety team be	fore the
11	technology arrives or new features are used.	
12	(c) The quality management program shall be developed by the radiation oncology safety team.	
13	(d) The quality management program shall address, at a minimum:	
14	(1) Education and training about new technologies and features;	
15	(2) A system and timeline for on-going competency assessment;	
16	(3) A system for real-time recording of on-going issues related to the technology and clinical u	se of the
17	new technology or features;	
18	(4) A strategy for timely investigation and adjudication of accidents and process deviations that	may be
19	captured in the system developed in Subparagraph (b)(1) of this Rule;	
20	(5) A strategy for routine review at intervals not to exceed 13 months of the clinical use of	the new
21	technology or features which includes an assessment of the current use compared to Parag	raph (b)
22	of this Rule and a plan to either update the clinical use plan or steps to bring the clinical use	ise back
23	into compliance with Paragraph (b) of this Rule;	
24	(6) A strategy to ensure quality of equipment functions;	
25	(7) An strategy for ensuring quality after hardware and software updates and after equipment r	epair.
26	(e) The quality management program shall be developed and maintained in accordance with current program shall be developed and maintained in accordance with current program shall be developed and maintained in accordance with current program shall be developed and maintained in accordance with current program shall be developed and maintained in accordance with current program shall be developed and maintained in accordance with current program shall be developed and maintained in accordance with current program shall be developed and maintained in accordance with current program shall be developed and maintained in accordance with current program shall be developed and maintained in accordance with current program shall be developed and maintained in accordance with current program shall be developed and maintained in accordance with current program shall be developed and maintained in accordance with the current program shall be developed and maintained and the current program shall be developed and maintained and the current program shall be developed and the current program shall	<u>ablished</u>
27	recommendations from a recognized national professional association with expertise in the use of therapeutic recommendations from a recognized national professional association with expertise in the use of the respective recognized national professional association with expertise in the use of the respective recognized national professional association with expertise in the use of the respective recognized national professional association with expertise in the use of the respective recognized national professional association with expertise in the use of the respective recognized national professional association with expertise in the use of the respective recognized national professional association with expertise in the use of the respective recognized national professional association with the respective recognized national professional association as the respective recognized national professional association as the respective recognized national professional association as the respective recognized national association as the recognized national as the recognized national association as the recognized national as the recognized national association as the recognized national as the recognized national as the recognized national aspectic	adiation
28	technologies, such as the American Association of Physicists in Medicine, the American College of Radiologies	ogy, and
29	the American Society for Radiation Oncology. In the absence of a protocol published by a national prof	<u>'essional</u>
30	association, the manufacturer's protocol or equivalent quality, safety, and security protocol shall be followed	±
31	(f) New technology issues should be reported through the vendor or manufacturer, applicable regulatory agence	y alerts,
32	and customer service bulletins and be reviewed and addressed via a documented reporting system.	
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34	History Note: Authority G.S. 104E-7;	
35	Eff. October 1, 2025.	