

Sample Annual Audit for Computed Tomography (CT) X-ray Systems

5/12/2022

Chapter 4732.0540 requires the registrant to ensure that the quality assurance program, its content, and implementation are reviewed annually for compliance with the rule. The registrant must ensure that all radiation program audits are performed according to procedures established by the registrant or radiation safety officer. Any noncompliance issues found during the audit must be corrected and documented. The radiation safety officer must review any corrective actions taken.

The following page contains an example of a checklist that could be used for a facility's audit. The facility may have existing forms, a way to retrieve the information electronically or would prefer computer generated forms. These are all acceptable, provided the information is complete and available at the time of inspection. The sample program audit below may not be complete for all facilities and may include items that are not applicable to all facilities. Each facility should create a site-specific audit form.

Audit History

Audit Item	Rule Part	N/A	Yes	No
Date of the previous audit:				
Were previous audits conducted annually?	4732.0540			
Are records of previous audits maintained?	4732.0540			
Deficiencies identified?	4732.0540			
Were the deficiencies corrected?	4732.0540			
Have all records been maintained?	4732.0330			

Organization and Scope of Program

Audit Item	Rule Part	N/A	Yes	No
Is the Radiation Safety Officer identified?	4732.0500			
1. Does the RSO meet MDH training requirements?	4732.0500			
2. Is RSO fulfilling all duties?	4732.0505			
3. Is the written agreement in place for the RSO?	4732.0500			
4. All x-ray equipment registered with the MDH?	4732.0200			
5. Changes in program since the last audit?	4732.0520			

Operating and Emergency Procedures

Audit Item	Rule Part	N/A	Yes	No
Are the procedures current?	4732.0520			
ALARA program?	4732.0530			
Technique charts completed and in place?	4732.0550			
Holding procedures in place?	4732.0510			
Garments monitored for integrity?	4732.0550			
Orders include all required information?	4732.0560			
Provisions for declared pregnant staff?	4732.0415			

Individual Monitoring Device

Audit Item	Rule Part	N/A	Yes	No
Are individual monitoring devices in use?	4732.0440			

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Audit Item	Rule Part	N/A	Yes	No
Users notified in writing of annual exposure?	4732.0440			
Reports maintained for 30 years?	4732.0440			
Is the monitoring worn in the proper locations?	4732.0440			

Shielding Plan

Audit Item	Rule Part	N/A	Yes	No
Shielding plan documentation?	4732.0355			
Shielding plan submitted for new or remodeled construction?	4732.0360			
Permanent placards?	4732.0360			
Radiation survey? (change in facility or equipment)	4732.0860			

Retake/Reject Analysis

	Rule Part	N/A	Yes	No
Retake analysis written procedure?				
dies?	4732.0535			
ly?	4732.0535			
	4732.0535			
2 nd Quarter:	3 rd Quarter:	4 th Quarter:		
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Computed Tomography Requirements

Audit Item	Rule Part	N/A	Yes	No
Visual control of all entrances?	4732.0355			
2-way audio communication?	4732.0860			
Quality Control procedures in place?	4732.0860			
CT unit daily QA quarterly review?	4732.0860			
Laser film printer QC daily?	4732.1100			
Equipment evaluations (EPE) performed within 12 months?	4732.0860/1100			
EPE performed after tube replacement or installation?	4732.0860/1100			

Audit Item	Rule Part	N/A	Yes	No
Utilization log maintained and complete?	4732.0545			
Computed Tomography Self-Referred Screen	ning			
Audit Item	Rule Part	N/A	Yes	No
CT screening approved by MDH?	4732.0565			
Renewal submitted 30 days prior to expiration?	4732.0565			
CT screening revisions submitted to MDH?	4732.0565			
K-ray Operator Training				
Audit Item	Rule Part	N/A	Yes	No
X-ray operators qualified?	4732.0580			
New x-ray operators received initial training?	4732.0510/0860			
Training program implemented?	4732.0510/0860			
1. Operating procedures?	4732.0510			
2. Emergency procedures?	4732.0510			
Training for changes in program? (new scanner/software change)	4732.0510			
Summary of Findings			•	

ANNUAL AUDIT FOR CT X-RAY SYSTEMS

Corrective and Preventive Actions					
A 10 C 1 1 D					
Audit Conducted By					
Signature	Da	ete			
Title					

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05/12/22

To obtain this information in a different format, call: 651-201-4545.