

Job Title: Diagnostic Imaging Engineer

Department: Healthcare Technology Management (HTM) Services

Reports To: Regional Service Manager / HTM Program Manager

FLSA Status: Non-Exempt / Hourly

Position Summary

The Diagnostic Imaging Engineer is responsible for the service, repair, calibration, and maintenance of complex diagnostic imaging equipment in hospitals and healthcare facilities supported under third-party service contracts. This includes systems such as X-ray, ultrasound, CT, MRI, mammography, fluoroscopy, and other imaging modalities. The Diagnostic Imaging Engineer ensures all imaging systems operate safely, accurately, and efficiently while maintaining compliance with regulatory requirements and manufacturer specifications. This position plays a key role in supporting clinical operations and maintaining strong client relationships through responsive and professional service delivery.

Key Responsibilities

- Perform preventive maintenance (PM), calibration, and performance verification on imaging systems according to manufacturer and regulatory standards.
- Troubleshoot, diagnose, and repair diagnostic imaging equipment, including analog, digital, and networked systems.
- Accurately document all service activity, including PMs, repairs, parts usage, and test results, within the company's computerized maintenance management system (CMMS).
- Support installation, configuration, and acceptance testing of new imaging systems and associated components.
- Collaborate with hospital radiology and HTM staff to coordinate service schedules, minimize downtime, and ensure clinical needs are met.
- Work with OEM vendors, service representatives, and parts suppliers to resolve complex technical issues and coordinate warranty or contracted repairs.
- Ensure compliance with regulatory and accreditation standards, including FDA, TJC, NFPA 99, and state radiation control requirements.
- Maintain proficiency with current imaging technologies through ongoing training and professional development.
- Provide technical guidance to BMETs and other team members as needed.
- Represent the company with professionalism and strong customer service in all client interactions.
- Participate in on-call rotation for after-hours service coverage when required.

Qualifications

Education & Experience:

- Associate or Bachelor's degree in Biomedical Equipment Technology, Electronics, Electrical Engineering, or related technical field required.
- 3–5 years of experience servicing diagnostic imaging equipment in a healthcare or field service environment required.
- Experience with specific modalities (CT, MRI, Ultrasound, X-ray, Mammography, Nuclear Medicine, etc.) strongly preferred.

Certifications (Preferred):

- OEM or vendor training on major imaging platforms (GE, Siemens, Philips, Canon, or equivalent)
- Certified Radiology Equipment Specialist (CRES) through AAMI preferred

Knowledge & Skills:

- Strong understanding of electronic, mechanical, and computer networking principles related to imaging systems.
- Proficiency in using radiation measurement instruments, dosimeters, and calibration tools.
- Familiarity with DICOM, PACS, and networking protocols used in medical imaging environments.
- Excellent troubleshooting, analytical, and communication skills.
- Strong commitment to safety, quality, and regulatory compliance.
- Ability to work independently in client facilities while managing multiple service priorities.
- Effective interpersonal and customer service skills.

Physical Requirements

- Ability to lift up to 50 lbs. of tools and parts.
- Frequent standing, kneeling, and working in confined or shielded imaging rooms.
- May involve travel between multiple hospital or clinic sites.

Work Environment

- Hospital and healthcare settings, including radiology departments, imaging suites, and procedure rooms.
 - Exposure to radiation sources, electrical hazards, and magnetic fields (with required safety protocols and PPE).
 - Fast-paced, service-oriented environment requiring professionalism, adaptability, and attention to detail.
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About the Company

ELITE Healthcare Technology Resources is a third-party Healthcare Technology Management (HTM) service provider specializing in medical and diagnostic imaging equipment management, maintenance, and cost optimization. We partner with hospitals and healthcare organizations to deliver high-quality, reliable, and compliant technology support services that enhance patient care and operational efficiency.