ABM EQUIPMENT

X-Ray Rollout Preview

Strategies and services for efficient implementation of a new system

ABM EQUIPMENT CONTACT

Name

Email

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We have developed a multi-faceted integration of services to reduce administrative load on clients' staff and globally upgrade inspection capabilities on an aggressive timeline. These services are furnished to their respective Champions under the supervision of the Project Manager.

Services Include:

Task Grouping And Allocation

Each site's necessary tasks are grouped by common roles, titled "Champion", with each role receiving clear directives on the necessary steps for efficient rollout.

Online Training Hub

Both machine and Radiation Safety Training will be available online, where students can be added and managed internally.

DSO Sentinel

Easy access to machine monitoring software is afforded to Champions.

In-Person & Remote Support

In-person, phone, and HMT support are available.

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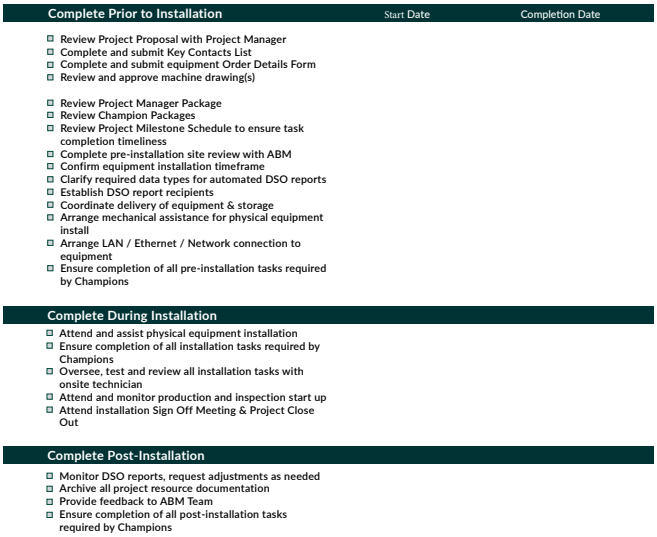
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Project Manager

Project checklists with direct links to required documents/ tasks allow Project Managers to ensure the Champions are coordinating and completing necessary functions.

Deliverables:

1. Milestone checklists linked to required items
2. Weekly meetings
3. Online portal



Complete Prior to Installation Start Date Completion Date

- Review Project Proposal with Project Manager
- Complete and submit Key Contacts List
- Complete and submit equipment Order Details Form
- Review and approve machine drawing(s)
- Review Project Manager Package
- Review Champion Packages
- Review Project Milestone Schedule to ensure task completion timeliness
- Complete pre-installation site review with ABM
- Confirm equipment installation timeframe
- Clarify required data types for automated DSO reports
- Establish DSO report recipients
- Coordinate delivery of equipment & storage
- Arrange mechanical assistance for physical equipment install
- Arrange LAN / Ethernet / Network connection to equipment
- Ensure completion of all pre-installation tasks required by Champions

Complete During Installation

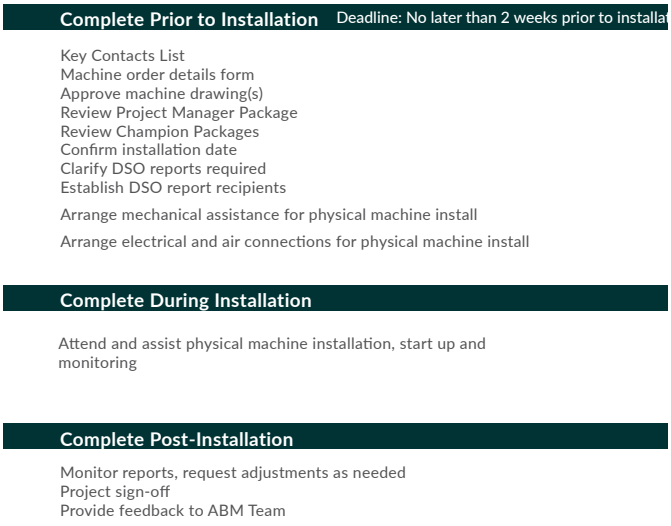
- Attend and assist physical equipment installation
- Ensure completion of all installation tasks required by Champions
- Oversee, test and review all installation tasks with onsite technician
- Attend and monitor production and inspection start up
- Attend installation Sign Off Meeting & Project Close Out

Complete Post-Installation

- Monitor DSO reports, request adjustments as needed
- Archive all project resource documentation
- Provide feedback to ABM Team
- Ensure completion of all post-installation tasks required by Champions

Responsibilities:

1. Oversee project and verify completion of other Champions' Packages
2. Attend weekly progress meetings and production updates
3. Complete ABM Milestone checklist



Complete Prior to Installation Deadline: No later than 2 weeks prior to installa

Key Contacts List
Machine order details form
Approve machine drawing(s)
Review Project Manager Package
Review Champion Packages
Confirm installation date
Clarify DSO reports required
Establish DSO report recipients

Arrange mechanical assistance for physical machine install

Arrange electrical and air connections for physical machine install

Complete During Installation

Attend and assist physical machine installation, start up and monitoring

Complete Post-Installation

Monitor reports, request adjustments as needed
Project sign-off
Provide feedback to ABM Team

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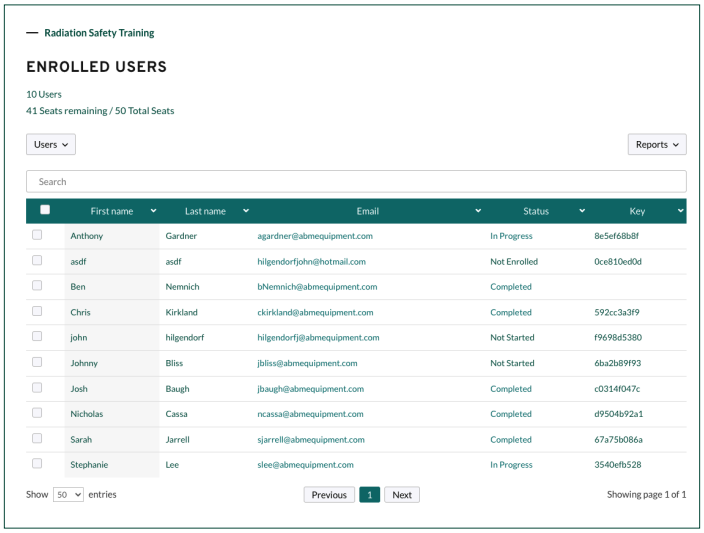
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Training Champion

Training champions receive self-managed dashboard for managing the training of new and existing personnel without the need for on-site technicians. This framework provides the necessary tools to ensure ongoing, scalable regulatory compliance at the individual and corporate level with scheduling in-person training as operators change.

Deliverables:

1. Online dashboards
    a. Add/manage students
    b. Track course completion
2. Online Radiation safety training
3. Online Operator Training
4. Annual certifications
5. Training reminders
6. Training translations
7. In-person training



Responsibilities:

1. Manage student enrollment
2. Monitor online completion
3. Ensure staff is trained on and offline

Complete Prior to Installation Deadline: No later than 2 weeks prior to installation.

Review Training Champion Package
Register employees for job-specific training on web portal
    Radiation Safety Training (in conjunction with RSO)
    Operations, Maintenance & QA Training
Track and assist employees with training
Complete all operational training & documentation via Web Portal & Videos
Coordinate with Project Manager and Project Champions to schedule start up training for employees

Complete During Installation

Attend production start up training

Complete Post-Installation

Ensure all new employees receive job-specific training

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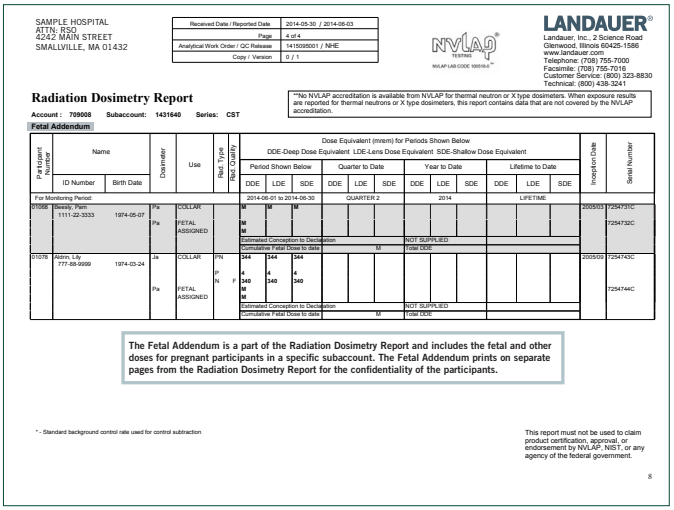
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Radiation Safety Officer

Our comprehensive radiation safety program encompasses all phases of a cabinet X-Ray installation and helps involved parties adhere to State and Federal regulations on a continued basis.

Deliverables:

1. Comprehensive checklist for initial startup and continued operation
2. Online training hub for new employees and refresher courses
3. Annual calibrations and radiation surveys with certificates
4. On-site training for site specific RSO responsibilities at time of installation
5. Service schedule alerts
6. Signage and dosimetry reporting



SAMPLE HOSPITAL
ATTN: RSO
424.2 MAIN STREET
SMALLVILLE, MA 01432

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Page	4 of 4
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Radiation Dosimetry Report

Account : 709008 Subaccount: 1431640 Series: CST

Fetal Addendum

The Fetal Addendum is a part of the Radiation Dosimetry Report and includes the fetal and other doses for pregnant participants in a specific subaccount. The Fetal Addendum prints on separate pages from the Radiation Dosimetry Report for the confidentiality of the participants.

Responsibilities:

1. Operator safety compliance
2. Work with ABM to develop a Radiation Protection Plan
3. Place safety signs
4. Record-keeping

Complete During Installation

Attend and assist physical machine installation, start up and monitoring
Determine "Prior Occupational Dose" for all individuals who require occupational dose monitoring
Establish process for maintaining records
Establish operating and emergency procedures
Establish process for inspection and maintenance of equipment
Register x-ray system with State
Review and finalize RPP

Complete During Installation

Attend and assist physical machine installation, start up and monitoring
Determine "Prior Occupational Dose" for all individuals who require occupational dose monitoring
Establish process for maintaining records
Establish operating and emergency procedures
Establish process for inspection and maintenance of equipment
Register x-ray system with State
Review and finalize RPP

Complete Post-Installation

Ensure employees receive job-specific training at appropriate intervals
Maintain records of formal training instructions in collaboration with Training Champion
Maintain records of all test results, calibrations, radiation safety surveys, performance tests, daily inspection logs and equipment maintenance records
Maintain and enforce operating and emergency procedures
Maintain and enforce process for inspection and maintenance of equipment

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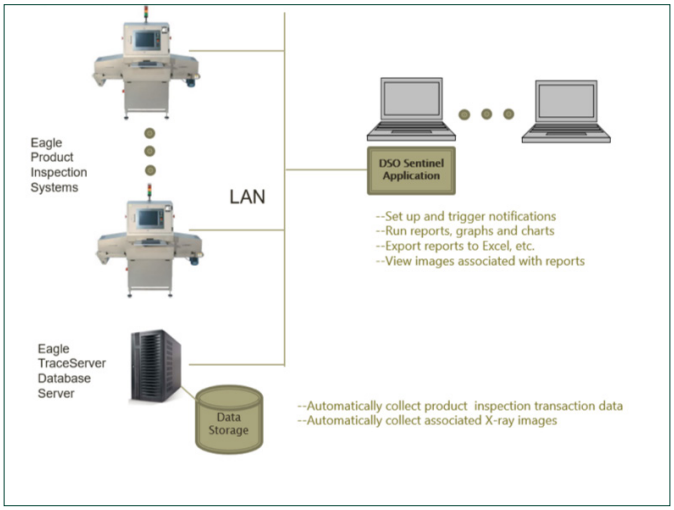
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IT/Network Champion

ABM's IT team offers a customized experience for the installation and upkeep of ABM& Eagle software, real-time support, and ongoing updates for the DSO software platform.

Deliverables:

1. Tailored IT support by location to ensure proper protocols are in place to maximize effectiveness of the X-Ray system and data collection software
2. DSO dashboard for modifying report and alerts settings
3. Installation and connection assistance at the plant level
4. Itemized checklist for proper installation and archiving of logins, passwords, etc.



Responsibilities:

1. Review internal requirements for network connection and remote support
2. Record and submit all required log ins, addresses, and passwords into Champion Checklist
3. Connect and monitor hardware and software

Complete Prior to Installation Deadline: No later than 2 weeks prior to installation. Completed Date

Review IT & Network Champion Package
Review IT security protocols
Establish contacts & remote connection
Install TraceServer, DSO Sentinel in preparation for equipment install

Run LAN connection to equipment locations(s)

Complete During Installation

Complete LAN Connection
Assign & set IP addresses for equipment
Verify network connection & data collection
Document IP addresses, MAC addresses, Subnets, UUID's per serial & line number
Confirm production start up & data collection
Set up automated reports for applicable individuals

Complete Post-Installation

Monitor data collection from DSO and TraceServer
Adjust reports as needed for recipients

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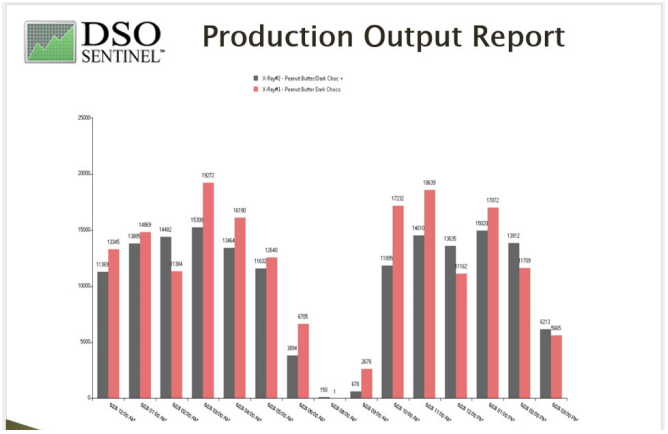
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Production Champion

Production Champions are given easy access to trackable machine and safety training.

Deliverables:

1. Online training
2. Checklist
3. Itemized checklist for proper installation and archiving of logins, passwords, etc.
4. DSO Sentinel reports
5. Phone & virtual support
6. Guides and walkthroughs



Responsibilities:

1. Minor sensitivity adjustment tracking
2. Establish operating procedures
3. Day-to-day, functional process monitoring
4. Sensitivities adjustment tracking

Complete Prior to Installation Deadline: No later than 2 weeks prior to installation.

Review Production Champion Package

Radiation Safety Training
Equipment Operational Training
Review and maintain Machine Quick Reference Guide

Complete During Installation

Establish internal operating procedures for x-ray equipment
Equipment Startup & Operational Training

Attend production start up with installed machine, monitor running line, rejects, etc.

Complete Post-Installation

Report to supervisor/maintenance/RSO any damaged or missing components, curtains, or safety labels on the machine

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Quality Champion

DSO provides QC champions with insights they need to improve efficiency, monitor equipment events, and simplify the verification process. Learn more at dsosentinel.com.

Deliverables:

1. DSO portal access and dashboard
2. Email alerts of events and abnormalities
3. On-line QC training in ABM training web portal
4. Initial installation framework and checkoff lists for a successful install
5. Customized validation cards by site



Responsibilities:

1. Monitor machine verifications
2. Sensitivity & performance monitoring
3. Utilizing DSO
4. Conducting product tests and assessments
5. Developing and supporting process improvements

Complete Prior to Installation Deadline: No later than 2 weeks prior to ins

Review Quality Champion Package
Complete Radiation Safety Training
Complete Quality Operational Training

Complete During Installation

Attend production start up, verification and monitoring of machine
Complete Equipment Verification Procedure
Establish and finalize internal QA Procedure & Test Standards into HACCP, SQF, BRC or similar program
Determine DSO Sentinel database reporting requirements

Complete Post-Installation

Maintain verification records in accordance with internal QA procedures
Regularly inspect test standards for damage and replace as necessary to remain in compliance
Reference DSO reporting for verification records

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Maintenance Champion

Maintenance Champions have access to a web portal with localized, resources, including site-specific. This will reduce needs for on-site assistance and provide Maintenance Champions with the resources to navigate the new systems with confidence.

Deliverables:

1. Guides
2. Troubleshooting walkthroughs
3. Schematics
4. Parts lists & ordering
5. HMT headset with trial remote support



Responsibilities:

1. Maintenance and consumables
2. Troubleshooting
3. Parts ordering

Complete Prior to Installation Deadline: No later than 2 weeks prior to installation. ✓ Completed Date

Review Maintenance Champion Package
Complete Radiation Safety Training
Complete Maintenance Operational Training
Complete Spare Parts List Entry, Inventory & Purchasing Set Up (in coordination with Accounts Payable Champion
Receive and test HMT headset

Complete During Installation

Attend and assist physical machine installation, star up and monitoring

Complete Post-Installation

Order spare parts as needed
Schedule regular maintenance and service visits
Liaise with Radiation Safety Officer for required documentation handoff

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