



The SAIC VACIS IP6500 Operator Training Class teaches each student proper and effective use of the VACIS imaging system, which screens cargo containers and vehicles at security checkpoints. This interactive, self-paced course teaches the student how to properly carry out procedures for using the system's hardware and software, analyze X-ray images for threats, and resolve issues as they arise. Using the on-screen simulation, students will be exposed to various image enhancement features and have their X-ray interpretation skills tested with actual images captured off of the VACIS IP6500.

Key Features

- Simulation of machine
- Individualized, self-paced instruction
- Secure records management system
- Detailed training reports

Key Benefits

- Cost Effective - Safe and cost effective way to simulate use of the system.
- Efficient - Use the training anytime, anyplace and at the student's own pace.
- Reliable - Standardized training and accurate training data.
- Results Oriented - Custom simulation sessions focus on student needs to increase performance.
- Automated Remediation - Custom remedial training based on test performance.

Course Topics

Imaging System Overview – Teaches the student the basic components of the system and the safety precautions that must be observed.

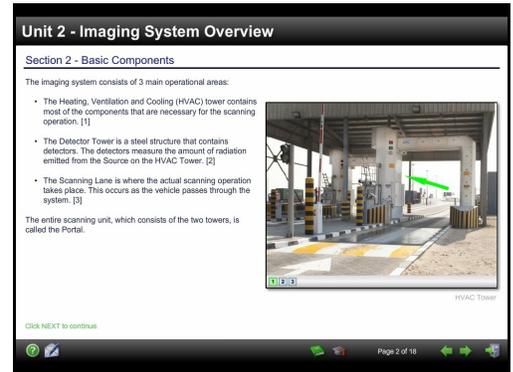
Basic Operation of the System – Teaches the student about pre-operational checks, operating the imaging system, and operator station software.

Monitoring Viewer Scans – Teaches the student how to monitor the scanned images and retrieve transactions saved to the database,

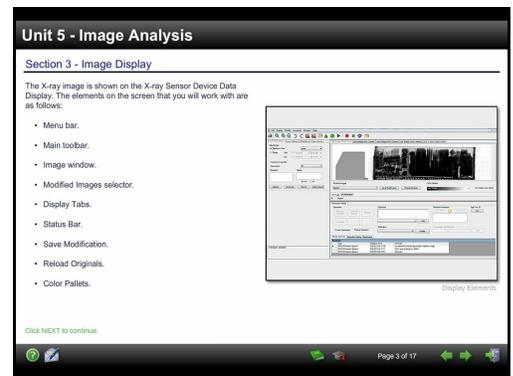
Image Analysis – Teaches the student how to use the image processing features to identify potential threats.

Data Processing - Explains how to process data associated with the scanned images.

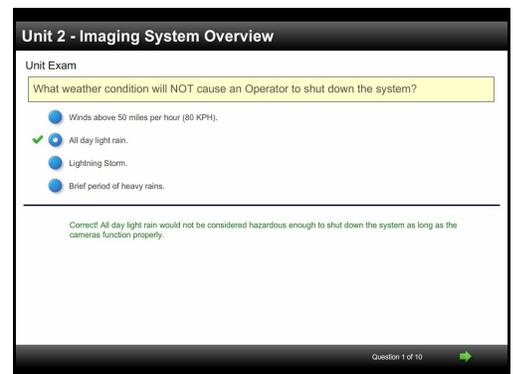
Troubleshooting - Discusses common issues related to the system and how to resolve them.



Operator Course Screen



Operator Course Screen



Unit Exam

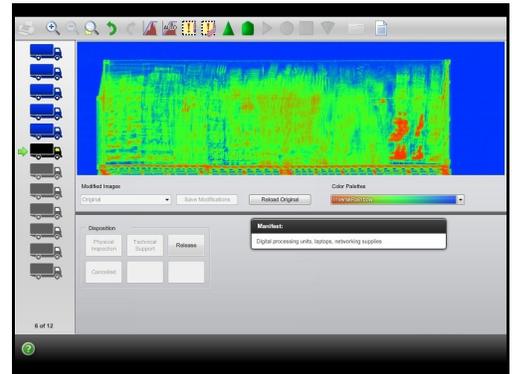


Simulation

X-ray Interpretation Practice – Each student can practice their X-ray interpretation skills using an on-screen simulation of the system. The X-ray image library in the simulation contains both innocent and threat items. The industry specific image library will expose the student to a variety of threat items. The student will improve their skills by advancing through three levels of difficulty based on image complexity and orientation of the threat.

As each student works through practice sessions, a sophisticated algorithm monitors and tracks actions and decisions made for each image. Upon completion of a practice session, the algorithm determines if the student had difficulty correctly responding to any X-ray images. Based on the student’s performance, subsequent practice sessions are tailored to meet the specific training needs of the student. This leads to more efficient and effective training, which results in higher detection rates and lower false alarm rates.

Ongoing X-ray Interpretation Training – The X-ray library contains a large number of threat items. The key to high hit rates and low false alarms rates is to have the skills to effectively recognize real threats. To do this, each student must develop knowledge of what a wide variety of threats look like under X-ray. The more different types of threats a student sees during training, the better prepared he will be to identify these threats in an operational setting. Trainers can also tailor training sessions to focus on specific threats of concern for their organization. The large image library of threats and the adaptive algorithm provide an effective way to continuously increase the detection skills of each student.



Simulation Course Screen

Courseware Specifications

Applications:

Initial

Delivery Options:

CBT

Estimated Seat Time:

Operator Course: 3 - 3.5 Hours

Simulator Course: 2 Hours*

Image Libraries:

Cargo

Languages:

Arabic, English

Note: Courseware availability is based upon selection from the above specifications.

* Ongoing image interpretation practice is highly recommended to ensure screener proficiency.

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