



Integrated Container Information System (ICIS)

Managing container-inspection data at the speed of commerce



ICIS integrates and manages container images and data in the normal flow of terminal traffic

As container-inspection technology advances, security authorities need to manage increasing amounts of information from non-intrusive inspection (NII) systems, radiation-detection systems, and other sources — all without impeding the flow of traffic.

ICIS brings it all together. ICIS is a powerful hardware and software suite that integrates images and data from VACIS® NII systems, radiation portal monitors (RPMs) and other sources, and delivers it to users on demand, all in real time.

In a typical ICIS operation, every container is scanned as it passes a gate or other checkpoint. ICIS quickly integrates and stores the images and data. If a radiation source is detected, the container is immediately diverted for secondary inspection. All other containers proceed without interruption. Personnel at ICIS workstations can check suspect containers online in minutes. In this way, every container is scanned, any container can be checked quickly, and only those few with questionable contents undergo secondary inspection.



ICIS provides integrated images and data for containers on demand

Integrating data from many sources — at the speed of commerce

ICIS integrates and manages images and data from VACIS® NII systems, and RPMs from SAIC and other suppliers. ICIS can also integrate container manifests, driver information, surveillance video, and other transaction data.

Thanks to the VACIS systems' high-speed scanning capabilities, a single ICIS lane can handle more than 300 containers per hour, scanning in the normal flow of traffic at gates or other checkpoints. Inspectors can view integrated scanning images and data just seconds after each container is scanned or at any time afterward.

A complete solution

SAIC provides ICIS as a complete solution. The ICIS system includes the following hardware and software components:

- ◆ **OCR container identification.** An OCR system in each lane automatically identifies containers as they are scanned by VACIS NII systems and RPMs.
- ◆ **ICIS Server.** The ICIS Server integrates and stores scanning images and data, and delivers integrated data for requested containers to users.
- ◆ **ICIS Viewer.** The ICIS Viewer software application presents a variety of scanning images and data in displays tailored to specific user roles. (The example at left combines a VACIS image with an RPM radiation profile.)

The system also includes installation and commissioning, along with thorough training for operators and image analysts. SAIC also offers a comprehensive maintenance program to provide fast problem resolution and periodic preventive maintenance through factory-trained local technicians.

ICIS can be implemented in new lanes along with NII systems and RPMs, or afterward to integrate existing scanning systems. ICIS is highly scalable, enabling a facility to add new inspection lanes and to add new equipment to existing lanes.

SAIC — a leader in the field

SAIC has provided hundreds of cargo inspection systems — including ICIS, VACIS NII systems and RPMs — for customs, security and military applications around the world.

Highlights

- Integrates and manages images and data from NII systems, RPMs and other sources
- Handles more than 300 containers per hour per lane in the normal flow of checkpoint traffic
- Delivers integrated images and data online for requested containers
- Greatly reduces the need for costly secondary inspection

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