

PICS-ADC

Positive Inventory Control- Automated Data Capture

CDO Technologies' Systems and Technology Solutions division is the implementation team for the Positive Inventory Control System - Automated Data Capture (PICS-ADC) for the Air Force Automatic Identification Technology Program Management Office at WPAFB, OH. PICS-ADC was developed to automate the process of tagging and capturing critical asset information using pRFID technology. It efficiently tracks the transfer of the assets to implement Positive Inventory Control. PICS-ADC is a standalone mobile solution that allows airmen to capture inventory transfer information. Inventory is accountable in real-time up to the enterprise level.

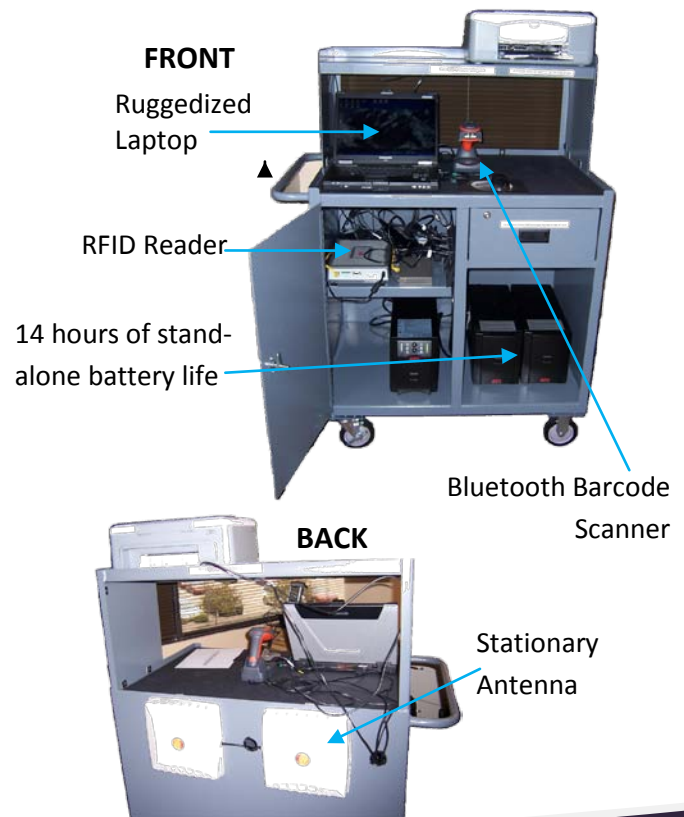
The PICS-ADC solution is designed around the physical business process in a warehouse environment to ensure location of valuable assets. Instead of adapting to the environment, PICS-ADC was designed by CDO Technologies specifically to automate the process to tag, capture and track the critical Nuclear Weapons Related Material (NWRM) asset information. The application is a **blend of both hardware and software solutions** architected and designed by CDO to leverage Passive Radio Frequency Identification (pRFID) and Item Unique Identification (IUID) technology.

The PICS-ADC system is intended to provide the functional capability for the effective transfer of captured data from the assets to the AF Enterprise Resource Planning (ERP) system. As the application continues to progress to full operational capabilities, enhancements have been identified to support specific operational needs. The current effort is to address the need to automatically track and monitor the transfer of critical assets to select locations in order to facilitate Positive Inventory Control.

The PICS-ADC system associates each asset with a unique pRFID coded tag and an IUID number. This allows the **asset to be uniquely tracked**. The system then stores the information on a local system for inventory and tracking purposes. The reference data on the local PICS-ADC system frequently synchronizes with the enterprise system to maintain consistent data usage.

The PICS-ADC application uses the standardized set of security services such as CAC Authentication and Personnel Profile Management. It implements store-forward mechanism to provide out of network capability.

But that's not all; the PICS-ADC application uses Mobile Application Delivery for updating and maintaining the application by using a micro-browser technology to **lower implementation and maintenance costs**. It was built using re-usable components to reduce maintenance costs and it is scalable and portable across various platforms with minor configuration changes. The two-step accountability of assets allows for unparalleled verification and is the most mobile solution on the market today.



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