

Prepare, Design and Deploy RFID Solutions for DoD Logistics

Join us for this mission-critical learning opportunity, building a thorough understanding of the latest RFID technologies and major compliance guidelines and what they mean to you. Then, get to work in a truly interactive setting, analyzing relevant supply processes, equipment configurations and deployment variables.

In collaboration with the Department of the Navy, the RFID Solutions Center has developed “Prepare, Design and Deploy RFID Solutions for DoD Logistics”. Designed and taught by RFID subject matter experts, this course guides students through the science, standards and breakthrough technologies behind successful RFID implementations. Use of the RFID Solutions Center’s simulated warehouse and manufacturing environments enriches the student experience and provides a hands-on environment for learning.

Stepping Through the Training Experience

This intensive 3-day training course utilizes the benefits of interactive classroom discussion and real-life scenarios to better equip students for their role in RFID implementation. Upon completion of the course, each participant will receive DoD-customized reference and take-home materials.

1. PREPARE: Learn the “What” and “How” of RFID

- › Participate in hands-on examinations of the latest RFID antenna, reader and tag designs
- › Understand the impact of standards and regulations on performance and global deployment
- › Ensure optimal tag placement and maximum read rates under a variety of conditions
- › Leverage key capabilities of the Gen2 protocol

2. DESIGN: Maximize RFID Implementation Through Effective Design

- › Understand typical deployment options, including print-and-apply, in-line applicators, turn-table stretch wrappers, readers, and portal and conveyor reader arrays
- › Manage the effect of various materials, including liquids and metals, on product tagging
- › Work with difficult item, case and pallet configurations
- › Discuss techniques for ensuring the best possible RFID solution

3. DEPLOY: Master the Real-World Challenges of RFID

- › Conduct a comprehensive site survey, detect interference sources, and properly tag cases and pallets
- › Troubleshoot and fix an implementation beset with faulty equipment and improperly programmed components
- › Interface to and validate hardware installation; program reader commands; manage light stacks; photo-eyes and horns; wire up reader I/O; and configure and debug programming/acquisition RFID implementations on a high-speed conveyor
- › Build an arsenal of practical knowledge across the entire RFID implementation lifecycle – from implementation to change management and troubleshooting

Supporting Navy Objectives

According to the United States Navy RFID Implementation Plan (July 2006), overall Navy RFID goals include:

- › Develop and Initiate RFID implementations that add value to Navy logistics processes...Focus will be on ROI/cost savings and contribution to readiness
- › Integrate RFID into all applicable logistics processes and related Automated Identification systems
- › Achieve Total Asset Visibility (TAV) throughout the entire supply chain using RFID as an enabler
- › Focus on RFID implementations that will enhance supply processes

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Day 1

8:00 am	Registration
8:30 am	RFID Fundamentals Standards & Regulations ePC Structure Gen 2 Protocol Compliance Initiatives
12:00 pm	Lunch break
1:00 pm	RFID Deployment Options Antennas Tags Product/Tag Interactions
5:30 pm	Class completes

Day 2

8:30 am	Introduction to Gateway Antenna Field Profiles Tagging Considerations Conveyors Portals
12:00 pm	Lunch break
1:00 pm	In-line Programming Implementation Exercise Hands-on Tagging Lab Reader Configuration
5:30 pm	Class completes

Day 3

8:30 am	Reader State Machine Inputs/Outputs Reader Configuration Site Survey Process Spectrum Analyzer DoD/Navy Constructs
12:00 pm	Lunch break
1:00 pm	Standing Up a Solution Working with Photo Eyes Configuring a Portal Interfacing To a Reader Creating Macros High-Speed Reading In-line Programming
5:30 pm	Class completes

Instructors

Courses offered at the RFID Solutions Center are designed and taught by teams of experienced RFID Application experts who have defined and led some of the industry's most successful deployments. Actively on the forefront of RFID in the field, these instructors focus on delivering an intensive, hands-on educational experience addressing the real-life issues and challenges of implementing RFID into DoD operations.

Who Should Attend?

Courses are designed for technical personnel and staff responsible for RFID strategy or implementation, including:

- › DoD logistics personnel
- › DoD supply personnel
- › Supply chain managers
- › Commercial RFID personnel who support DoD

Prerequisites

No prerequisites for this course.

What to Bring?

Courses are designed to utilize real world scenarios and experiences. Please bring questions and challenges that may be shared.

Registration

Registration is limited and is on a first come first serve basis. Early registration is recommended to secure your enrollment.

Please send an email to Academy@AlienTechnology.com to request registration assistance or with questions about the program.

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