

# Prepare, Design and Deploy RFID Solutions for DoD Logistics

RFID SOLUTIONS CENTER TRAINING COURSE

## Course Overview

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”. 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 DoD Objectives

According to the DoD Radio Frequency Identification (RFID) Policy (July 30, 2004), RFID is required to:

- Provide near-real time in-transit visibility for all classes of supplies and materiel
- Provide “in the box” content level detail for all classes of supplies and materiel
- Provide quality, non-intrusive identification and data collection that enables enhanced inventory management
- Provide enhanced item level visibility

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## Instructors

Courses offered at the RFID Solutions Center are 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

DAY 1		DAY 2		DAY 3	
7:45 AM	Registration				
8:00 AM	RFID Fundamentals Standards & Regulations ePC Structure Gen2 Protocol Compliance Initiatives	8:00 AM	Introduction to Gateway Antenna Field Profiles Tagging Considerations Conveyors Portals	8:00 AM	Reader State Machine Inputs/Outputs Reader Configuration Site Survey Process Spectrum Analyzer DoD / Navy Constructs
	Lunch break		Lunch break		Lunch break
	RFID Deployment Options Antennas Tags Product / tag interactions		In-line Programming Implementation Exercise Hands-on Tagging Lab Reader Configuration		Standing Up A Solution Working with Photo Eyes Configuring A Portal Interfacing To A Reader Creating Macros High-Speed Reading In-line Programming
5:00 PM	Class completes	6:00 PM	Class completes	5:30 PM	Class completes

## 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 served basis. Early registration is recommended to secure your enrollment. Please send an email to [Academy@AlienTechnology.com](mailto:Academy@AlienTechnology.com) to request a registration form or with questions about the program.

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