

RFID TRAINING

PROFESSIONAL SERVICES

Radio Frequency Identification (RFID) Essentials

Code: PS-TR-RFID-01

Duration	:	1 day
Target Audience	:	Engineers new to the field of RFID engineering, Managers, or other personnel responsible for RFID systems will benefit from a comprehensive understanding of RFID fundamentals.

Course Description

RFID Essentials is an interactive class room learning resource designed to help businesspeople understand how to use RFID to cut costs, streamline processes and boost efficiencies within their operations. It covers supply chain, asset tracking, retail, manufacturing and other applications. RFID Essentials Courses will get your project teams up to speed quickly and conveniently, resulting in faster, more successful deployments.

You learn the fundamentals of the various types of RFID technologies, how to take advantage of them in your enterprise, and how to measure the return on investment. By applying what you're learning in real-world scenarios, you gain lasting, actionable knowledge.

The RFID Essentials course will prepare you to:

- Identify and rank potential applications in your enterprise
- Choose the right RFID architecture for an application
- Measure an application's financial contribution
- Systematically plan a pilot or implementation

Courses Prerequisites

None

Course Outline

- Introduction to RFID & history of RFID
 - ▶ RFID Physics, Standards, and Regulation
 - ▶ The EPC global Network
 - ▶ Component of RFID systems
 - ▶ Bar Codes and RFID tags
- Technology Basics:
 - ▶ Physical Components of RFID System
 - ▶ Reader-Tag Communication, given a scenario, select an item's optimal placement locations for an RFID tag
 - ▶ Sharing Data Inside and Outside the Enterprise
- Materials and RF Packaging: Items, Tags, Labels, Inserts
 - ▶ Package contents: Liquids, Metal, Polarization
 - ▶ Tag orientation and location, Tag stacking (shadowing)
- RFID Application & Implementation
- Start Your Project, business justification for RFID
- Implementing RFID for Positive ROI (How to determine whether and where RFID can contribute value in your organization)

ACS GROUP

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