

Syllabus –Loftware RFID Training – Day 5

Course Overview

This course provides the knowledge needed to design RFID Smart Labels & Tags and serves as an introduction to RFID technology. It has been crafted to build a users' confidence by combining well thought out lectures with 'hands-on' practical lab sessions. Students attending this course will gain a solid understanding of how to approach getting their RFID Smart Labels & Tags designed and ready for production use via the Loftware Print Server (LPS).

Prerequisites

Students attending this class must have a solid understanding of label design using the Loftware LLM. The best way to achieve this is to attend the LLM General training class.

<i>Time</i>	<i>Topic</i>	<i>Concepts</i>
9:00 – 9:15	Course Introduction	
9:15 – 11:00	Basics of RFID I	<ul style="list-style-type: none">✓ What is RFID?✓ Components of RFID System✓ Tag Construction, Types, Smart Labels✓ Reader Types, Reader Construction, Antennas✓ RFID Printers, Overview: Components, Manufacturers, etc✓ How RFID Printers Work✓ Media (Types of labels, ribbons, etc.)
11:00 – 11:15	Break	
11:15 – 12:00	Standards and RFID Data Formats	<ul style="list-style-type: none">✓ Overview of U.S. and international standards✓ EPC Gen2 overview✓ EPC and DoD data formats
12:00 – 12:45	Lunch	
12:45 – 2:15	Encoding RFID Data	<ul style="list-style-type: none">✓ Encoding RFID Data (including lab)✓ Creating RFID Smart Labels and Tags✓ RFID Field Properties✓ Converting a Barcode Label to an RFID Smart Label✓ Data Sources for RFID Fields✓ Block Configuration✓ EPC Encoding✓ DoD Encoding✓ RFID Calculator
2:15 – 2:30	Break	
2:30 – 4:30	Encoding RFID Data LAB	<ul style="list-style-type: none">✓ LAB (convert our manual examples into labs utilizing calculator)✓ RFID Calculator✓ Smart Label Configuration✓ DoD✓ SGTIN – Derived from barcode on the label✓ SGTIN – Built from fields on the label✓ SSCC – Derived from barcode on the label✓ SSCC – Built from fields on the label
4:30 – 5:00	Review and Q&A	
5:00	Course Conclusion	