

# RFID Implementation

## RFID CoE – Training Center

### Description

The purpose of the RFID Implementation training is to provide the ideal backgrounds to professionals that require the technical knowledge in this specific area, enabling them to implement and use the technology in day-by-day operations.

Developed by RFID CoE, the only lab in Brazil focused exclusively in studying the RFID technology and accredited by EPCglobal, it is given by a team of highly qualified teachers and experts covering all processes required to understand the technology.

At the end of the course, which is preparatory for the CompTIA RFID+ certification, the participants will not only have learned about the technology, but also will be ready to understand and verify the value of a RFID implementation.

### Purposes

- To spread the knowledge about RFID, presenting and discussing concepts and techniques related to the technology;
- To encourage the participant to expand his/her potential of investigating new knowledge by means of studies and experience of simulated situations;
- To provide tools to the participant in order to apply the RFID concepts;
- To emphasize and value theoretical aspects and its applicability.

### Target Audience

This training is focused for engineers and technical professionals that are involved in processes related to the development, implementation, and operation of RFID in companies, as well as other professionals interested in this area.

### Topics Covered

By means of expository classes and hands-on exercises given by expert teachers and experts, they will be focused on the technical aspects, the physical effects, and the criteria required applying RFID successfully.

The course will also cover how these concepts and theories apply to problems and situations faced by organizations in their processes, with the purpose to offer the student an orientation to use the technology and the understanding of the factors that must be analyzed before a project of RFID.

### Methodology

**RFID Implementation** is composed by sessions with presentations and dynamics to discuss concepts, as well as practical sessions offering work experience with RFID software, tags, readers, and infrastructure.

It also includes a tour in the Center of Excellence in RFID and plant with RFID implementation, in order to provide a solid contact with the technology, enabling a better understanding of the actual concept application.

## Why to join?

- RFID CoE is the only lab in Brazil certified by EPCglobal, a regulating agency of international standards to adopt and develop the RFID technology worldwide;
- RFID CoE is the only center in Brazil focused exclusively on the study of the RFID technology, being able to share the most recent global initiatives related to the RFID technology;
- To qualify to act in this new fast-growing environment;
- To gather new information suited to enable the participant to understand this new technology and its applicability;
- To properly prepare to take the CompTIA RFID+ Certification exam;

- To know the tools and solutions available in the RFID area;
- To transform the knowledge acquired into competitive edge to your company.

## Local

Course offered exclusively in RFID CoE (Sorocaba/SP). A customized version can be offered on site.

## Information and registration

Information and registration can be obtained by e-mail [hp.rfid@hp.com](mailto:hp.rfid@hp.com) or through the site [www.rfid-coe.com](http://www.rfid-coe.com).

## Program:

	Day 1	Day 2	Day 3	Day 4			
8:30	Coffee	Coffee	Coffee	Coffee			
9:00	<b>RFID History and Introduction 1:00h</b>	<b>Readers 1:30h</b>	<b>Site Survey (Theory) 1:30h</b>	<b>Real Case: Visit to HP Mfg Plant 1:30h</b>			
9:15							
9:30							
9:45							
10:00	<b>Concepts of Radio-frequency for RFID 0:30h</b>	Break	Break	Break			
10:15							
10:30	Break	Break	Break	Break			
10:45	<b>Concepts of Radio-frequency for RFID 1:45h</b>	<b>EPCglobal Network 1:45h</b>	<b>Site Survey (Hands-on) 1:00h</b>	<b>Security and Privacy 1:00h</b>			
11:00							
11:15			<b>RFID Peripherals 0:45h</b>	<b>Internet of Things 0:45h</b>			
11:30							
11:45							
12:00							
12:15	Lunch	Lunch	Lunch	Lunch			
12:30							
13:30	<b>Antennas 2:00h</b>	<b>Middleware 1:30h</b>	<b>Standards and Regulations 2:00h</b>	<b>RFID Applications 1:00h</b>			
13:45							
14:00				<b>Hands-on 0:30h</b>	<b>Discussion Panel 1:00h</b>		
14:15							
14:30							
14:45							
15:00	Break	Break	Break	<b>Conveyor and Portal Demonstration 1:00h</b>			
15:15							
15:30	<b>Tags 1:15h</b>	<b>Hands-on 1:15h</b>	<b>RFID Troubleshooting (Hands-on) 1:15h</b>	<b>Test Day 4</b>			
15:45							
16:00				<b>Test Day 1</b>	<b>Test Day 2</b>	<b>Test Day 3</b>	<b>Confraternization</b>
16:15							
16:30	Closing	Closing	Closing	End of Training			
16:45							
17:00	Closing	Closing	Closing	End of Training			
17:15							
17:30	Closing	Closing	Closing	End of Training			
17:45							

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