STID ACADEMY

UHF VEHICLE ACCESS MANAGEMENT AND ULTRYS SOFTWARE OPTIMIZATION

Course ID	**STID-ACD-SEC-05**
Duration	**1/2 day**
Format	**VILT / ILT / OST**
Certified Training	**Yes**
Languages	**FR / EN / IT / PL / ES**

MASTER UHF VEHICLE IDENTIFICATION AND OPTIMIZE ULTRYS SOFTWARE

As vehicle access control, fleet management (cars, trucks, buses), and logistics tracking become more strategic, STid offers an expert training program on UHF vehicle identification and Ultrys software optimization.

This course will help you understand and master UHF RFID technologies in compliance with EPC1 GEN2 / ISO18000-6C standards to meet increasing client demands for long-range and high-speed identification.

Through practical real-world use cases, you will learn to configure and manage UHF vehicle access, create and encode user badges, and leverage all functionalities of the Ultrys software for autonomous and efficient system management.

PREREQUISITES

- Basic knowledge of RFID technologies and UHF applications
- Familiarity with vehicle access control or fleet management systems
- No programming experience required

AUDIENCE

This training is intended for security and access control professionals, including:
- Installers & Integrators
- Administrators & Security Managers
- Product Managers & System Engineers
- Commercial & Marketing Teams
- Fleet Managers & Logistics Supervisors

LEARNING OBJECTIVES

Understand the fundamentals of UHF identification and its applications in vehicle access and logistics management.

Master the functionalities of Ultrys software to configure, manage, and optimize UHF equipment independently.

Create and encode user badges and configuration badges securely.

Optimize vehicle access control performance considering speed and read range constraints.

Integrate the Ultrys solution into a global access management and tracking system.

Apply best practices to ensure system performance and security.

UHF VEHICLE ACCESS MANAGEMENT AND ULTRYS SOFTWARE OPTIMIZATION

DETAILED COURSE OUTLINE

INTRODUCTION TO UHF VEHICLE IDENTIFICATION

- Understanding the importance of UHF RFID in vehicle access management.
- Overview of EPC1 GEN2 / ISO18000-6C standards.
- Differences and advantages compared to other RFID technologies.

MODULE 1: FUNCTIONALITY AND KEY COMPONENTS OF UHF SYSTEMS

- Communication principles between UHF readers, transponders, and antennas.
- Read range and speed parameters for optimized performance.
- Analysis of interference factors and environmental constraints.

MODULE 2: MASTERING ULTRYS SOFTWARE AND READER CONFIGURATION

- Introduction to Ultrys software: features and user interface.
- Creating and managing reader configuration badges.
- Setting up communication protocols and response time options.
- Configuring multi-antenna operation modes.

MODULE 3: CREATING AND SECURING USER BADGES

- Secure encoding of user badges via Ultrys.
- Access management using password protection and user rights.
- Importing badge lists and generating custom programming formats.

MODULE 4: OPTIMIZING UHF SYSTEM PERFORMANCE

- Advanced configurations to maximize reading range and reduce interference.
- Deployment strategies to ensure reliable high-speed reading.
- Best practices for compatibility with other security technologies.

MODULE 5: CASE STUDIES AND PRACTICAL WORKSHOPS

- Hands-on exercises for badge encoding, configuration, and management.
- Simulations in real-world conditions to test system performance.
- Q&A session with a STid expert for troubleshooting and optimization.

CERTIFICATION

Certificate of Completion awarded upon successful completion.

LEARNING FORMAT

ILT (Instructor-Led Training) :
Experience hands-on training at STid's headquarters, led by experts in a fully equipped environment. Benefit from live demonstrations, interactive exercises, and direct engagement with STid specialists for an optimal learning experience.

VILT (Virtual Instructor-Led Training) :
Join a real-time, interactive training session from anywhere. Delivered via video conferencing, VILT provides expert-led instruction, practical exercises, and live Q&A, ensuring the same high-quality.

OST (On-Site Client Training) :
Tailored training delivered at your site, adapted to your infrastructure, security needs, and equipment for a fully personalized learning experience.

SCHEDULE AND REGISTRATION

To check the schedule, pricing, or register for the course:

customer.training@stid.com

Learn more at:
www.stid.com

SMARTER SECURITY ANSWERS