



CERTIFIED AUTOMATED GATE SYSTEMS TECHNICIAN LEVEL 3

INSTITUTE OF DOOR DEALER
EDUCATION AND ACCREDITATION

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*For the highest level of
reliable Automated Gate
Systems expertise, use
certified technicians*

With today's technology, gate systems are becoming more and more complex. As gate operators and their associated accessories become more sophisticated and standards and regulations become more stringent, it is necessary to be knowledgeable and understand how to diagnose and repair a multitude of devices, from gate operators to cloud-based access control systems.

Automated gate systems come in all shapes and sizes provide a means of controlling vehicle access to residential properties, gated communities, and commercial/industrial sites with a wide range of security requirements. When properly specified and installed, gate systems need to provide the security level anticipated by the customer; but they must do so in a safe and reliable manner. Gate systems are composed of many electro-mechanical devices and are subject to failure for various reasons over time.

The purpose of the level three certified gate technician program is to help gate system technicians diagnose and repair gate systems in Class IV applications, and in applications that require the highest level of automated gate security. Understanding system integration, restricted access systems, sallyports, NEMA and IP enclosure ratings, hazardous locations, and tools for hazardous locations are an essential element of a safe and properly maintained Class IV automated gate system. The Institute of Door Dealers Education and Accreditation (IDEA) has worked with the Door & Access Systems Manufacturers Association (DASMA) and the International Door Association (IDA) to establish a program to validate the credentials of individuals who have the experience and skills in the servicing of automated gate systems.



Eligible gate system technicians are those who:

- Have completed a Self-Study Guide as written and endorsed by IDA and DASMA, and published by IDEA, intended to teach various aspects of automated gate systems technicians.
- Can successfully pass a written examination based upon the information contained within the Self-Study Guide. Applicants for the examination are advised that the Gate Systems Technician Level 3 Certification examination is based on a high degree of difficulty and is designed to validate one's fundamental knowledge.
- Has an Automated Gate Systems Technician Level 2 Certification, as credentialed by IDEA..

Upon completing these three steps as described above, the applicant is awarded the designation of Certified Gate Systems Technician Level 3 and will be awarded the designation of MASTER GATE TECHNICIAN.

Maintaining Certification...

Gate Systems Technician Level 3 Certification applies for a three-year period beginning with the effective date assigned by IDEA after completing all of the program requirements. In order to maintain certification, each applicant will be required to submit a renewal form with a renewal fee. In addition, certified installers must earn 9 Continuing Education credits (1 hour of education equals 1 CE credit) during the three-year renewal cycle. IDEA will provide certified installers with additional information regarding the availability of eligible CE courses

Preparing for Examination Through a Unique and Thorough Course of Study

IDEA has created a comprehensive curriculum for the Automated Gate Systems Technician Level 3 Certification program. This course of study is designed to both measure and enhance expertise.

Introduction

- Why is all this worth your time and energy?
- Industry Organizations
- IDEA Programs and Services

UL 325

- Who is Underwriters Laboratories?
- Codes Referencing UL 325 and ASTM F2200
- Manufacturer Compliance with UL 325 Standards
- Installer Compliance to UL 325
- General Entrapment Protection Provisions
- Entrapment Detection Devices
- What Happens When an Entrapment Device is Activated?
- Installation of Warning Signs

Introduction to ASTM F2200 and M.U.T.C.D.

- ASTM F-2200 History
- Scope of ASTM F-2200
- Specific Applications of ASTM F-2200
- M.U.T.C.D. - Manual on Uniform Traffic Control Devices for Streets and Highways

Understanding System Integration

- Site Assessment
- Point of Contact
- Operate the System
- Finding the Failure
- Completing the Work

Restricted Access Systems

- UL 325 Classes of Operation
- Manual Release
- Physical Measures
- Gate Sequencing
- Tailgating and Cycle Time
- Sallyport
- Gate Locks
- Vehicle Mitigation Barriers
- ASTM F2656
- K-Ratings
- ASTM F2656 Ratings
- Passive Vehicle Barriers
- Active Vehicle Barriers

Sallyports

- Sallyport Systems/Entry Control Port Facilities
- Interlock/Sallyport

NEMA and IP Enclosure Ratings

- NEMA Rating vs. IP Rating
- NEMA Types for Non-Hazardous Areas
- NEMA Types for Hazardous Areas
- IP Ratings
- NEMA vs. IP Ratings Table
- Environmental Considerations

Hazardous (Classified) Locations

- NEC and CEC Zone System
- Understanding What is Explosion Proof
- Intrinsically Safe vs. Explosion Proof
- Choosing Intrinsically Safe or Explosion Proof Devices
- Wiring Methods for Class 1, Division 1 Locations
- NFPA 70 NEC and CEC

Tools for Hazardous Worksites

- Key Considerations for Hazardous Worksites
- Specific Tools for Hazardous Worksites

How the Program Works:

Certification is earned by completing all of the steps and meeting the eligibility criteria established by the IDEA Board of Directors.

- ◆ The first step is to complete an application for Gate Systems Technician Level 3 Certification and return it to IDEA. There will be a fee for the Self-Study Guide, which also includes the costs for the testing. A completed application is required for each individual seeking certification.
- ◆ Upon receiving the application, IDEA will provide the Self-Study Guide to the applicant. The applicant may take as much time as necessary to learn all of the information contained within the Self-Study Guide before taking the examination. Although other employees within a company are also encouraged to study the manual, the testing and certification is limited to the applicant.

The Self-Study Guide

The next step in the certification process is to successfully complete a comprehensive written examination based on the Self-Study Guide. The study guide covers a full range of applications, system integration, restricted access systems, sallyports, NEMA and IP ratings, and hazardous (classified) locations.

The examinations are proctored and can be scheduled in a variety of locations throughout North America, as well as by appointment. Examinations are graded on a Pass-Fail basis with a minimum passing score of 80%. It is the intent of the IDEA to offer the examination at the IDAExpo and other IDA events.. The written tests are multiple choice and True-False, and are based solely on the Self-Study Guide materials.

Upon successful completion of the written examination the applicant will receive a certificate suitable for framing, shirt patches, and an identification card.

Benefits

The program has a number of benefits affecting the technical, marketing, liability and legislative aspects of automated gate systems. Today's consumers are demanding professional qualifications for services effecting the security and value of their property. The public perception of the gate operator industry will advance knowing this training and certification is available.





The Institute of Door Education and Accreditation (IDEA) is an independent, non-profit, tax-exempt 501(c)(3) educational foundation, dedicated to serving the public interest by enhancing professionalism and safety within the door systems industry. IDEA is supported and partially funded by the International Door Association and the Door and Access Systems Manufacturers Association.



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