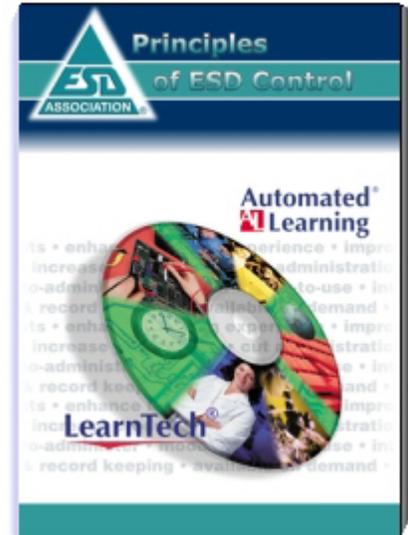


ESDA Principles of ESD Control

ESD Control and Training

Electrostatic discharge related failures continue to cost electronics manufacturers many millions of dollars every year. The cost of a damaged wafer, die, component, or assembly might be only a few cents or could reach thousands of dollars. When failure happens in the field, multiply the cost by ten. ESD can impact production yields, product quality, reliability in the field, and customer satisfaction, and all of these affect your profitability.

Current industry standards including [ANSI/ESDA S20.20](#) call for an effective ESD control program that includes initial and recurrent ESD awareness training for all personnel who might come into contact with ESD sensitive items, and for the maintenance of complete training records. S20.20 also allows for the tailoring of your ESD control program to meet specific application needs.



Tailor Your ESD Training

Now there is a comprehensive computer-delivered ESD training program that allows you not only to meet standards requirements for ESD training and training records, but also provides the option to tailor ESD training content to match your S20.20 tailored ESD control program. Your ESD experts are able to select appropriate content for your company location, consistent with your products, procedures and training plan, and we will tailor the course to deliver that content, and the matching testing material.

The LearnTech® LMS eLearning format

The ESD Association® has partnered with Automated Learning Corporation® to bring you this unique ESDA certified training solution featuring the LearnTech® training system. [ESDA Principles of ESD Control](#) is delivered via your Learning Management System (LMS) to any computer in your facility. Using your LMS, course registration is automated, and complete training records are securely maintained on your server. Features include:

- Automated registration, tracking, testing, certification – reduced administrative time
- Flexible online access - "always available" 24x7 across shifts, departments, locations
- Latest video and interactive multimedia technology – for interest, involvement and fun
- Self-paced delivery – that improves the efficiency and effectiveness of learning
- Individual on-demand training – no waiting for the class schedule
- Reduced language barriers for students – with text + audio + visual + review
- Shorter student away-from-work training time – lowers training costs significantly
- Reduced demand on your expert resources to deliver instruction on "the basics"
- Compliance with ISO and industry standards for training and qualification records
- Standardized training - consistent, accurate reliable content every time
- Convenient easy to use training - point and click to learn, it's that simple

Course Description**ESDA Principles of ESD Control**

Course code: ESO LearnTech® LMS Format Length: 2 hours

An excellent introductory-level ESD training program with certification that explains step-by-step the importance of controlling static in your workplace, how static occurs, and how to protect against discharge that can damage static-sensitive electronic components and assemblies. The course content can be tailored to meet the requirements of your ESD control program.

This comprehensive ESD training course can benefit any front line personnel who must deal with ESD sensitive parts in the workplace, including operators, assemblers, and material handlers, as well as technicians, engineers, supervisors, and managers.

Content:

- How static electricity is generated from common actions
- Two different types of damage caused by ESD
- Conditions most likely to cause uncontrolled electrostatic discharge
- Problems and cost implications of ESD damage
- Common objects that present an ESD hazard
- Types of ESD protective packaging
- Use of ionization and topical antistats for static control
- The impact of environmental factors on static charge
- Function of ESD protective items in a protected area
- Requirements of an ESD protective workstation
- Correct use of ESD protective smocks, wrist straps, and footwear
- When not to use personal protective devices
- Recommended ESD protective practices at workstations

Modules:

- | | |
|-------------------------|--------------------------|
| 1. Introduction | 3. ESD Protected Areas |
| 2. Basic Science of ESD | 4. Working Inside an EPA |

Qualification and Certification Testing

ESDA®/LearnTech® certification training incorporates interactive learning checks throughout the instructional sequences. Certification tests are criterion-referenced and module-based with feedback on every response for enhanced learning. LMS administrative access to dates and scores of tests, certifications, and re-certifications is compliant with S20.20 and ISO quality standards training requirements.

Standards Compliant

ESDA®/LearnTech® ESD training course content complies with the ANSI/ESD S20.20 ESD control program guidelines as well as to JEDEC JESD625, and IEC 61340-5 standards.

FMI: www.automatedlearning.com/products/esd_index.cfm