



Level 1: ESD Plant Auditor Course

Worker Proficiency Training and Certification Program for Design and Manufacturing Engineers, Quality and Inspection Personnel

Overview:

This two-day certification course will prepare industry personnel to meet the handling challenges of ESD sensitive devices. The training curriculum provides the skills and information necessary to meet these challenges.

Who Should Attend?

Manufacturing specialists, including managers, designers, assembly, inspection and other quality personnel.

Learning Objectives:

The Level 1 ESD Plant Auditor Course covers the fundamentals of ESD and train technicians to make the ESD Control Measurements required by both the ANSI/ESD S20.20 and IEC 61340-5-1 ESD Program standards.

Course Facilitator:

Course Facilitator

Stephen Fribbins



A Master IPC Trainer for Blackfox Training Institute LLC and a Certified IPC Trainer for Fribbins Training Services, Mr Stephen (Steve) Fribbins has over 40 years of working experience in electrical and electronic engineering. He currently sits on several IPC standards committees, including the IPC-A-600, IPC-A-610 and IPC/WHMA-A-620.

An Electrical /Electronic Technician with the Royal Australian Navy from 1971 to 1981, Steve switched gears in 1981 to become a Lecturer for the Department of Technical and Further Education in South Australia (TAFESA). In 1987, he was sub-contracted through TAFESA by British Aerospace to be its Category C: Instructor/Examiner in Military Soldering under the U.S. Navy Standard WS-6536E.

Steve left TAFESA in 1997 to start his own training consultancy, Fribbins Training Services, targeting companies involved in Electronic Manufacturing, Rework and Repair. In addition to IPC training, he conducts specialised courses in Electrostatic Discharge (ESD) Awareness, Auditing and Program Management, Moisture Sensitive Devices (MSD), Lead Free Soldering and High Melting Temperature Soldering, and is currently developing several new courses, including Counterfeit Components.

Crafting Perfection with Passion

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Course Content:**Day 1**

- ❖ ESD Basics
- ❖ Device Failure Models and Mechanisms
- ❖ The purpose of the ESD Program
- ❖ Scope of ANSI/ESD S20.20 and IEC 61340-5-1ESD
- ❖ Referenced Publications
- ❖ Definitions
- ❖ Personnel Safety
- ❖ ESD Control Program Technical Requirements
 - Grounding/equipotential bonding systems
 - Personnel grounding (Equipment selection and use)
 - ESD protected areas (EPA)
 - Packaging
 - Marking

Day 2

- ❖ Measurement techniques and equipment procedures
- ❖ Measurement Workshop (Hands on practice using state-of-the-art auditing equipment)
- ❖ Certification Exam (Theory & Practical)

Duration: 2 days
9.00 am – 5.00 pm
Registration starts at 8.30 am