



ESD Control for Production (IPC-VT-54C)

ESD Control – Content Outline

I. INTRODUCTION

- A. Definition of Static Electricity and ESD
- B. Conductors, Insulators and Static Dissipative Material
- C. How ESD Damages Electronic Components and Assemblies
- D. Results of Uncontrolled ESD

II. ESD CONTROL -- PERSONNEL

- A. ESD Responsibility
- B. Draining Charges
- C. ESD Personal Equipment
 - 1. Wrist Straps
 - 2. Heel Straps
 - 3. Testing Wrist Straps and Heel Straps
 - 4. Conductive Smocks
 - 5. How Clothing Affects ESD

III. ESD CONTROL – THE WORK AREA

- A. Non-Conductive (Static Generating) Materials and ESD
- B. Reducing the Effect of Static Generating Materials Required in the Work Area
- C. Controlling ESD with Static Dissipative Materials
- D. Activities that Cause ESD

IV. ESD CONTROL – HANDLING AND TRANSPORT

- A. Handling ESD Sensitive Devices
- B. ESD Safe Containers
- C. Transporting ESD Sensitive Devices