



## **Electrostatic Discharge Control - ESD**

### 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