

### Motorola R56

Public Safety and Telecommunications standards and guidelines for the installation of equipment, infrastructure, and facilities for communications sites. Appendix C: Protecting against electrostatic discharge in equipment rooms and dispatch centers.

This commercial standard is used for network-operated dispatch operations, such as 9-1-1 call centers.

### ATIS-0600321.2015

This telecommunications industry standard covers new installations of network operator-type equipment positions in which personnel are required to access a computer terminal keyboard while continually wearing a headset.

Network Operator Dispatch Call Centers

See: <http://standards.globalspec.com/std/9920406/atis-0600321>

### FAA-STD-019f

#### 110 e 5.8.9 Electrostatic Discharge (ESD) Control Flooring and Floor Coverings

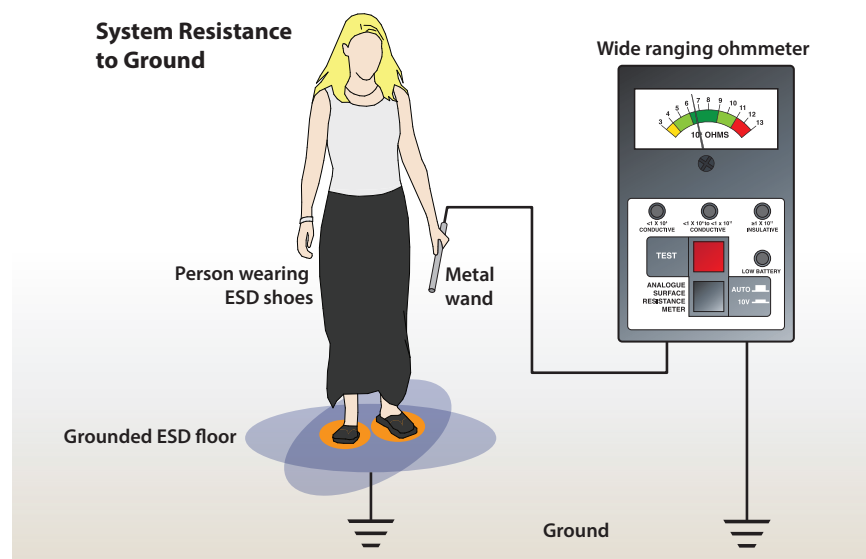
ESD control floors and floor coverings shall have a point-to-point resistance and a surface-to-ground resistance of greater than  $1.0 \times 10^6$  ohms and less than  $1.0 \times 10^9$  ohms (ANSI/ESD STM7.1).

### C.3.3 Flooring

Carpeting or floor tiles within an equipment room or dispatch center, including raised flooring, should have a resistance to ground measurement of between  $10^6$  and  $10^{10}$  ohms when measured using the test method of ANSI/ESD STM7.1-2001 or later.

### Section 4: Measures for Controlling Electrostatic Discharge: 4.2 Flooring

Any carpeting or floor tiles should have a resistance to ground between  $10^6$  and  $10^{10}$  ohms when measured using the method of ESD -S7.1.



### ANSI/ESD S20.20 – 2014

ESD Association Standard for the Development of an Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies and Equipment.

### ANSI/ESD STM7.1 – 2013

#### Resistive Characterization of Flooring Materials in Environmentally Protected Areas (EPA).

Point to Point:  $< 1.0 \times 10^9$  ohms  
Point to Groundable Point:  $< 1.0 \times 10^9$  ohms

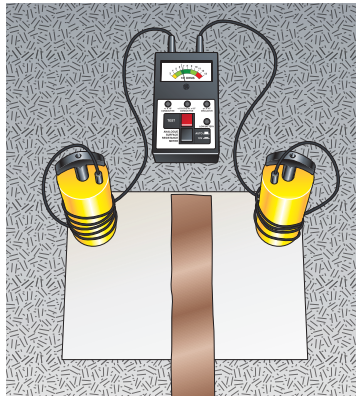
### ANSI/ESD STM97.1 (Resistance)

Resistance of Footwear/Flooring System  
 $< 1.0 \times 10^9$  ohms

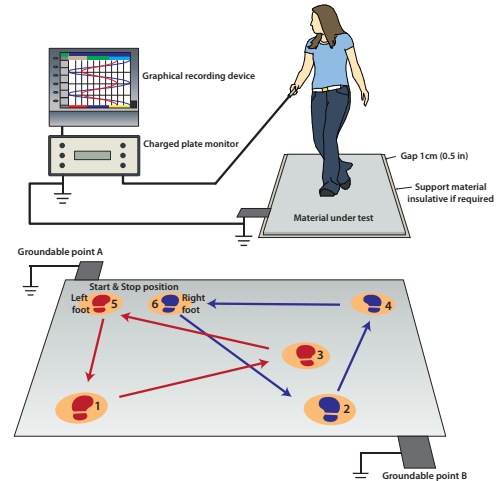
### ANSI/ESD STM97.2 (Charge Generation)

Floor Materials and Footwear Voltage Measurement in Combination with a Person.  
 $< 100$  volts Peak

ANSI STM 7.1 Resistance Test



ANSI/ESD STM 97.2 Measurement of Voltage on a Person While Walking on a Floor



Resistance to Groundable Point (Rtg)  
ANSI/ESD STM 7.1

