

No.	Items	Test Equipment	Reference Standard	Required Limit(S)	Equipments	Model
1	Grounding/ Bonding Systems	1.1 DC-Ohmmeter 1.2 AC Outlet Analyzer 1.3 Impedance Meter	ANSI/ESD S6.1, Grounding ANSI/NFPA 70, Nation Electric Code	Equipment Grounding Conductor < 1.0 Ohm impedance Auxiliary Ground < 25 Ohms to the Equipment Grounding Conductor Equipment potential Bonding < 1.0x10 ⁹ Ohm		1. Multimeter : 800a (Sanwa) 2. Ground Check (Ideal) 3. Impedance Meter: 61-164 (Ideal)
2	Work Surfaces	2.1 Resistance Meter 2.2 5 lb Electrode 2.3 DC Ohm Meter 2.4 Field Meter	ESD ADV 53.1, ESD Protective Workstations ANSI/ESD S4.1, Worksurface- Resistance Measurements ANSI/ESD S6.1, Grounding	Point to Ground < 1.0x10 ⁹ Ohms and/or <100V		1. Resistance meter: 152-1-CE (Trek) 2. 5 lb Electrode : 152BP-5P (Trek) 3. Multimeter : 800a (Sanwa) 4. Field Meter: Statron DZ4 (ShiShiDo)
3	Wrist Straps System	3.1.1 Resistance Meter 3.1.2 Hand-held Electrode 3.2 Wristrap Checker	ANSI/ESD S1.1, Wrist traps	< 3.5 x10 ⁷ Ohms		1. Resistance meter: 152-1-CE (Trek) 2. Wrist strap checker : S2112 (Statico)
4	Footwear	4.1 Footwear Checker 4.2.1 Resistance Meter 4.2.2 Foot Electrode	ANSI/ESD STM 9.1, Footwear- Resistive Characterization ANSI/ESD STM 97.1, Floor Material & Footwear- Resistance Measurement in Combination with a person	Footwear System < 35M Ohms If Footwear System > 35M Ohms , Body voltage < 100V		1. Foot wear checker : S2333PC (Statico) 2. Resistance meter: 152-1-CE (Trek) 3. 5 lb Electrode : 152BP-5P (Trek) 4. Walking Tester : DSF601W (ShiShiDo)
5	Flooring	5.1 Resistance Meter 5.2 5 lb Electrode	ANSI/ESD S7.1, Floor Material- Charecterization of Material			
6	Seating	6.1 Resistance Meter 6.2 5 lb Electrode	ANSI/ESD STM 12.1 Seating- Resistive Measurement	Point to Ground < 1.0x10 ⁹ Ohms		1. Resistance meter: 152-1-CE (Trek) 2. 5 lb Electrode : 152BP-5P (Trek)
7	Air Ionizer	7.1 Charge Plate Monitor	ANSI/ESD STM3.1, Ionization ANSI/ESD SP3.3, Periodic Verification of Air Ionizer	Discharge Time User defined Offset Voltage -35< V offset< 35		2. Charge Plate Monitor : Statron DP (ShiShiDo)
8	Mobile Equipment	8.1 Resistance Meter 8.2 5 lb Electrode	ANSI/ESD S6.1, Grounding ESD ADV53.1 ESD Protective Workstations ANSI/ESD S4.1 Worksurface- Resistance Measurements	Point to Ground < 1.0x10 ⁹ Ohms		1. Resistance meter: 152-1-CE (Trek) 2. 5 lb Electrode : 152BP-5P (Trek)
9	Electronic Soldering	9.1 Integrated Checker (0-100 Ohms, 0-20 mV)	ESD STM13.1, Electrical Soldering/ Desoldering Hand Tools ESD TR20.20 Handbook	Tip to Ground or Groundable Point < 10 Ohms		1. Multimeter : 800a (Sanwa)
10	Constant Monitor	User Define	ESD TR1.0-01-01, Survey of Constant (Continous)	Manufacturer defined		2. Wrist strap : MD518 (Systech)
11	Garment	11.1 Resistance meter 11.2 5 lb Electrode 11.3 Insulative support plate	ANSI/ESD S1.1, Wrist traps ANSI/ESD STM2.1, Garments	Resistance Point to Point < 1 x10 ⁹ Ohms		1. Resistance meter: 152-1-CE (Trek) 2. 5 lb Electrode : 152BP-5P (Trek)
12	Packing	12.1 Resistance meter 12.2 5 lb Electrode 12.3 Insulative Support Plate 12.4 Two point Electrode 12.5 Concentric Ring Electrode	ANSI/ESD S54.1 Packaging Materials for ESD Sensitive Items ANSI/ESD S8.1, Sysbols- ESD Awareness ANSI/ESD STM 11.11 ANSI/ESD STM 11.12 ANSI/ESD STM 11.13	The organization shall define ESD protective packing requirements		1. Resistance meter: 152-1-CE (Trek) 2. 5 lb Electrode : 152BP-5P (Trek) 3. Two point Resistance Electrode : 152P-2P (Trek)
13	Glove& Finger Cots	13.1 Resistance Meter 13.2 Two Point Resistance Electrode 13.3 Zig CAFÉ 13.4 Wristrap	ANSI/ESD S1.1 Wrist Strap ANSI/ESD SP15.1, In-Use Resistance Testing of Glove & Finger Cots	The organization shall define		1. Resistance meter: 152-1-CE (Trek) 2. 5 lb Electrode : 152BP-5P (Trek) 3. Zig CAFÉ (Systech)