

# SUPPLIER ESD CONTROL REQUIREMENTS

Revision No.: 1

Revision Date: 28 January 2010

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## 1.0 Purpose

This exhibit defines the minimum requirements for an Electro Static Discharge (ESD) control program. These requirements apply to suppliers of products and services to Agilent Technologies (Agilent), whenever parts are ESD sensitive (ESDS).

## 2.0 ESD Control Requirements

- 2.1** ESD control is required, by contract, of all suppliers and subcontractors furnishing or handling ESD sensitive items.
- 2.2** Suppliers and sub-contractors shall have an ESD control program which include as a minimum:
  - 2.2.1 ESD training process, including retraining at regular intervals;
  - 2.2.2 ESD sensitivity part classification;
  - 2.2.3 Appropriate marking to identify ESDS parts;
  - 2.2.4 Suitable handling and packaging to protect ESDS parts;
  - 2.2.5 Personnel grounding requirements;
  - 2.2.6 ESD protected areas (also known as Static-Safe Work Areas or SSWA);
  - 2.2.7 Periodic ESD Self-Audits checking for compliance;
  - 2.2.8 Second Party ESD Audits when requested by a representative of Agilent.

## 3.0 Recommendations

- 3.1** Personnel handling ESDS items should be retrained or recertified on ESD Control at intervals not longer than 1 year. (See 2.2.1 above)
- 3.2** ESDS items should be identified with the ESD Susceptibility Symbol as defined by the ESD Association ([ESDA](#)). (See 2.2.3 above)
- 3.3** ESD self-audits should be performed monthly. (See 2.2.7 above)
- 3.4** Second Party ESD Audits should be conducted annually. (See 2.2.8 above)
- 3.5** ANSI/ESD S20.20-2007 and IEC 61340-5-1:2007 are recommended standards for the implementation of an ESD Control Program.

## 4.0 References

- 4.1** [ISO 9001:2008](#), Quality Management Systems – Requirements
- 4.2** Agilent Technologies Doc# 5951-1665-1, [Supplier quality system requirements](#)



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- 4.3 [ANSI/ESD S.20.20:2007](#), ESD Association Standard for the Development of an Electrostatic Discharge Control Program
- 4.4 [IEC 61340-5-1:2007](#), Protection of electronic devices from electrostatic phenomena - General requirements
- 4.5 [IEC/TR 61340-5-2:2007](#), Protection of electronic devices from electrostatic phenomena – User guide

## 5.0 Document Control Log

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