

IECQ Process Approvals provide confidence for electrostatic discharge compliance

[IEC 61340-5-1](#), *Electrostatics Part 5-1: Protection of electronic devices from electrostatic phenomena – General requirements*, covers requirements for the design, implementation and maintenance of an ESD (electrostatic discharge) control programme for activities that manufacture, process, assemble, install, package, label, service, test, inspect, transport or otherwise handle electrical or electronic parts, assemblies and equipment susceptible to damage by electrostatic discharges greater than or equal to 100 V HBM (human body model).

IECQ, the IEC Quality Assessment System for Electronic Components, has long provided for the issuing of IECQ Process Approvals related to the electronics component industry. Under the IECQ Process Approvals Scheme, companies and organizations may apply to IECQ-approved Certification Bodies for assessment to IEC 61340-5-1 along with IECQ Scheme requirements. Under IECQ, companies achieve an International IECQ Certificate following the successful completion of the IECQ Site Assessment Report (SAR 61340-5-1).

Benefits of certification under the IECQ System include:

- A standard approach to the assessment and certification process by all IECQ-approved certification bodies that ensures consistency
- Issuing of an IECQ On-Line Certificate with full public access to ensure total transparency
- A single international register of all issued IECQ Certificates
- No need for "Second" Party assessments of companies and organizations that have achieved IECQ certification

The IECQ System and its Schemes operate under the management of the IECQ Management Committee comprising industry experts from all IECQ Member Countries with direct line of reporting to the IEC CAB (Conformity Assessment Board) to ensure all IEC Statutes and Directives are adhered to.

Ron Gibson, Convenor of WG (Working Group) 5: Protection of electronic devices against static electricity, within [IEC TC \(Technical Committee\) 101: Electrostatics](#), comments: "The long term operation and established international position of the IECQ is well known and is a logical vehicle to provide a single international conformity assessment operation, such as IECQ Process Approvals to show compliance with this important IEC International Standard 61340-5-1."



Electrostatic discharge (ESD) can cause permanent damage to electronic equipment

RELATED INFORMATION

IEC links

IECQ

System for quality assessment of electronic components

[IEC 61340-5-1](#), *Electrostatics - Part 5-1: Protection of electronic devices from electrostatic phenomena - General requirements*

[IEC Technical Committee 101:](#)

Electroacoustics