

ESD Principles & Control in Manufacturing

Tuesday 15th May 2012 – 14:30 BST

When handling most of today's electronic components, printed circuit assemblies (PCAs) or equipment that contains electronics, special consideration must be given to the potential damaging consequences resulting from static electricity. Electrostatic discharge can result in PCAs or higher level equipment failing test in the factory, or worse still, it can result in latent defects that can cause subsequent failure in the field.

This webinar will cover the basics of ESD, looking at the theory behind the subject and practical methods that can be used to enable components, PCAs and equipment to be handled without the risk of incurring electrostatic related damage.

Topics include: -

What is ESD

How are static charges generated

How static charges can be transferred to electronic components

What damage can be done to electronic components by electrostatic discharge

How to set up an Electrostatic discharge Protected Area within a factory

What practical controls are required to prevent electrostatic damage

How to store / transport electrostatic sensitive components / PCAs

How to handle electrostatic sensitive equipment out in the field

Book you place today <http://www.smartgroup.org/wp-content/uploads/2012/02/SMART15May.pdf>

The webinar will be presented by Jeremy Smallwood and Charles Cawthorne – SMART Group

SMART Group price is £65 plus VAT

Book a place for you or your engineering team today

SMART Group is also offering a range of *smart-e-webinars* to complement its existing interactive CD-ROM, Hands On and Theory training to companies in the electronics industry. SMART has always been innovative and keen to provide different types of education and support to the industry. *smart-e-webinars* are ideal learning opportunities for individuals or groups of engineers and will be presented by leading engineers in the electronics industry. Each session lasts between 60-90 min and allows a cost effective alternative to existing educational events without the hassle of travel. To participate in a *smart-e-webinar* all you need is a broadband internet connection, PC and headset microphone/headphones. Alternatively for groups in a conference room you use a PC with speakers, broadband connection and projector plus conference microphone.

To get the best out of your webinar experience read the following guide:

<http://www.smartgroup.org/images/stories/howwebinarwork.pdf>

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Our web based seminars represent an efficient way to develop practical knowledge, delivering expert advice and guidance to you without leaving your workplace. Simple webinars offer a low cost and time efficient training option. They can be accessed from the internet, eliminating the need to take time out of the office and avoid expensive travel costs. Book a meeting room with computer and data projector at your facility and invite your colleagues to join you for a **single fee of £65** per session.

Technical seminars last 60-90mins with the opportunity to ask questions during or at the end of the session. The events are scheduled on different manufacturing topics of interest to engineers and production staff working in printed circuit board assembly.

For content and timing of each webinar click here.

Each webinar is £65 plus VAT, payable at time of booking. Select the webinar you wish to attend below

<u>Subject</u>	<u>Date</u>
ESD Principles & Control in Manufacturing	Tuesday 15 May 2012 – 14.30 GMT

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