



The IPC-9592 Conference — The NEW Industry Standard for Power Conversion

“How you can meet the standard’s requirements and why”

Welcome Reception — November 5, 2008
Conference — November 6, 2008

Wyndham Hotel, Dallas Fort Worth Airport North, Irving, Texas

Presentations by:

Alcatel-Lucent
Cisco Systems
Dell Inc.
Hewlett-Packard Co.
IBM
Lineage Power
Murata Power Solutions

A conference on IPC-9592, Requirements for Power Conversion Devices for the Computer and Telecommunications Industries

The IPC-9592 Conference

The industry standard for power conversion devices: “How you can meet the requirements and why”

For the first time ever, the power conversion industry now has a standard — IPC-9592, *Requirements for Power Conversion Devices for the Computer and Telecommunications Industries*.

After two years of development, this new, comprehensive specification has been released by an IPC subcommittee comprising some of the leading original equipment manufacturers (OEMs) and power conversion manufacturers.

There is a lot that's covered in this 90+ page specification that will have a dramatic and positive impact on the entire power conversion supply chain. That's why IPC is holding this unique one-day event.

Conference Topics

Sessions will be presented by the volunteer standards development committee members who contributed to the document's individual sections. Companies participating in the program include **IBM, Dell, Hewlett-Packard, Cisco Systems, Alcatel-Lucent, Lineage Power and Murata Power Solutions**.

Conference topics/chapters cover a complete range of power conversion product attributes including: Product Specifications and Document Requirements; Design for Reliability; Design and Qualification Testing and Manufacturing Conformance Testing.

Committee members will describe not only the items, requirements and issues confronted and resolved in the development of the standard, but also the background and logic used to craft each chapter.

Why You Should Attend

This is the industry's first standard for power conversion. Due to the support of the major companies who have developed the standard, the industry should anticipate widespread usage. As a result, **power conversion manufacturers**, both from management and engineering, should attend this conference to learn about customer requirements.

Suppliers to the power conversion industry — component manufacturers, PCB manufacturers, electronics manufacturing services companies as well as other industry suppliers — should attend the conference to understand their products' relationship to the standard.

Finally, **OEMs** who employ power conversion devices in their products should attend this conference to learn how the standard can help improve the quality, reliability and time to market of their products.

About IPC

IPC — Association Connecting Electronics Industries is a nonprofit standards developing organization accredited by the American National Standards Institute. For more than 50 years, IPC members have worked cooperatively on standards for the entire electronics supply chain. Learn more at www.ipc.org.

Registration and Hotel Information

The IPC conference on “The industry standard for power conversion devices” will be held at Wyndham DFW Airport North, 4441 W. John Carpenter Freeway, Irving, TX, 75063. The hotel provides complimentary Internet service in guestrooms, 24-hour shuttle service to/from DFW airport and free parking.

To receive the special \$159.00 hotel room rate, call +1 972-929-8181 and ask for the IPC rate before the cut-off date of October 15.

The cost of the conference is \$450 for IPC, EPSMA and PSMA members and \$550 for nonmembers. The registration fee includes speaker paper presentations on CD, the IPC-9592 standard, all breaks, networking luncheon and a welcome reception.

We invite you to complete the registration form on the back of this brochure or register online at www.ipc.org/9592Conference. Plan now to attend this valuable conference on the new standard for the power conversion industry.





The IPC-9592 Conference

The industry standard for power conversion devices: *“How you can meet the requirements and why”*

Wednesday, November 5, 2008

6:00 pm – 8:00 pm Welcome reception

Thursday, November 6, 2008

- 7:30 am Pre-session Coffee
- 8:30 am Welcome and Introductions
Anthony Hilvers, Vice President, Industry Programs, IPC
Dr. Scott Strand, Program Director/Global Procurement, IBM
- 8:45 am Chapter 1: Scope and Chapter 2: Applicable Documents and Terms and Definitions for Power Supply
Tom Newton, Director of Technical Programs, IPC
- 9:15 am Chapter 3: Product Requirements Specification: *Data Sheets, Input and Output Specifications, Reliability and Warranty and Safety*
Mike Model, Technical Marketing Manager, Lineage Power
- 10:30 am Chapter 4: Design for Reliability: *Component Selection, Derating Guidelines, Design Failure Modes and Effects Analysis (DFMEA), and Moisture Sensitivity*
Dr. Scott Strand, Program Director/Global Procurement, IBM
- 11:30 am Chapter 5: Design and Qualification Testing: *Functional Verification Testing General Requirements; Design Verification Testing — AC Input Parameters, DC Input Parameters, DC Output Parameters, Protection Features, Input and Output Signals and Indicators, Other Electrical Parameters; Features and Functions; Environmental Stress Testing; Shock and Vibration; Electromagnetic Susceptibility; Power Line Disturbance Immunity; Electromagnetic Emissions; Highly Accelerated Life Test (HALT)*
Bob White, Consultant
Don Gerstle, Vice President, Design Quality, Murata Power Solutions
Dr. Bill Tian, Reliability Expert, Hewlett-Packard Co.
- 12:30 pm Networking Luncheon
- 1:30 pm Chapter 5 Continues
- 2:45 pm Chapter 6: Quality Processes: *Quality Management Systems and Sub-Tier Suppliers*
Lynn Simmons, Senior Manager, Client AC-DC Power, Dell Inc.
- 3:15 pm Chapter 7: Manufacturing Conformance Testing: *Manufacturing Conformance Tests; Early Manufacturing Conformance Test Requirements; and Final Assembly Test Requirements*
Paul Parker, Consulting Reliability Engineer, Lineage Power
Gary Gong, Component Engineering Manager, Cisco Systems
- 4:00 pm Appendix
Neil Witkowski, Technical Manager, Alcatel-Lucent
- 4:45 pm Next Steps and Adjournment

Registration Form

Association Connecting Electronics Industries



or register online at www.ipc.org/9592conference

The IPC-9592 Conference

The industry standard for power conversion devices: *"How you can meet the requirements and why"*

November 5–6, 2008, Irving, Texas, USA

First Name Last Name Job Title/Mail Stop

Company

Mailing Address

City/State/Country Postal Code

Area Code/Phone (include country code if not U.S.) Ext. Fax

E-mail cc E-mail

Please check here if you have a disability requiring accommodations. IPC will contact you for details.

Registration Fee: Includes access to presentations, meeting materials, continental breakfast, breaks, Thursday luncheon, and Wednesday evening networking reception.

IPC members U.S. \$450.00 Nonmembers U.S. \$550.00

EPSMA/PSMA members U.S. \$450.00

Method of Payment:

Check enclosed made payable to IPC

Bill my credit card (check one) Mastercard Visa AMEX Diners Club

Card Number Expiration Date Security Code

Cardholder Name Signature

Billing Address

Your credit card account will be debited for your registration fee. You will be charged the member or nonmember fee based on your current IPC, EPSMA or PSMA membership status.

Mail with check to: IPC, 3491 Eagle Way, Chicago, IL 60678-1349

Fax with credit card to: +1 847-615-5661

If You Cannot Attend...

If you are unable to attend, we encourage you to send a co-worker in your place. Please notify us of name changes or the need to cancel by November 3. Refunds will be issued up until the first day of the program. Questions should be directed to IPC's Registration Department at +1 847-597-2861 or registration@ipc.org.

Hotel Information:

Wyndham DFW Airport North, 4441 W. John Carpenter Freeway, Irving, Texas, 75063

Room Rate: U.S. \$159.00. For reservations, please call +1 972-929-8181

Hotel cut-off date: October 15, 2008