# IPC-6012 QUALIFICATION AND PERFORMANCE REQUIREMENTS FOR RIGID PRINTED BOARDS — APPLICATION TECHNICIAN TRAINING

Professional Training Course

Location: Microsolder Kft. Training Room, 1037 Budapest, Kiscsillag u. 18

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**About the Standard:**
The IPC-A-6012 *Qualification and Performance Requirements for Rigid Printed Boards* standard defines the specifications and requirements for rigid printed wiring boards, including single- and double-sided boards, multilayer boards with or without blind or buried vias, plated-through holes, and metal-core boards. It covers surface finishes, coatings, inspection and testing frequencies, quality compliance, and electrical, mechanical, thermal, and environmental performance requirements. The upcoming revision includes additional refinements and expansions and aligns with the IPC-A-600 requirements.

**Course Objective:**
To introduce participants to this internationally recognized, accepted, and widely applied standard, prepare them for its practical application, and provide the knowledge required in their daily work. The course also prepares participants to obtain the related international certification.

**Course Method:**
Theoretical training in Hungarian, accompanied by a slide presentation, using the printed or electronic English version of the standard (each participant must have their own copy or bring a laptop/tablet with the electronic version to the sessions). Includes opportunities for consultation.

**Who Is It For?**
Staff (employees and managers at all levels) involved in the design, manufacturing, or use of printed circuit boards during the production of assembled circuit boards; as well as those responsible for defining, applying, enforcing, or overseeing requirements related to PCB design, manufacturing, procurement, or use, including process control and quality assurance.

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## Curriculum (Total Duration: 3 Days, 24 Hours)

1. Introduction, IPC official policies and procedures
2. Scope of the standard and applicable documents
3. General and material requirements
4. Visual requirements
5. Dimensional and conductor requirements
6. Structural integrity requirements
7. Solder mask, electrical, and cleanliness requirements
8. Special requirements
9. Quality assurance
10. Supplementary requirements

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**Knowledge Assessment and Certification:**
Online IPC test in English; upon successful completion, participants receive an official, personalized IPC CIS (Certified Application Specialist) certificate valid for 2 years.

Microsolder Kft. is an IPC member, an authorized IPC distributor, an authorized IPC training center, and an IPC QML (Qualified Manufacturer Listing) auditor.