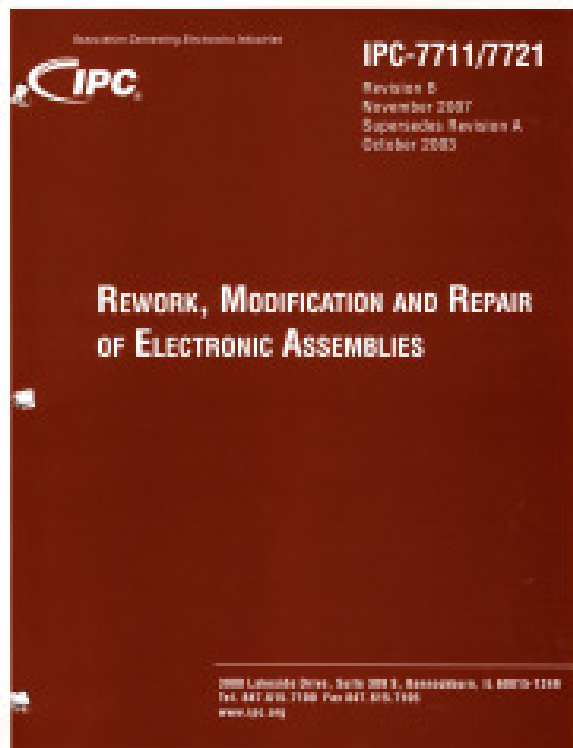


IPC-A-7711B/7721B Training and Certification Program Certified IPC Specialist (CIS) Course Syllabus

*This training covers inspection for the repair and rework of electronic assemblies and printed circuit boards. **IPC-7711B/7721B Rework, Modification and Repair of Electronic Assemblies** has applicability to both lead free and traditional SnPb soldered assemblies. This training also includes inspection of BGAs (including reballing) and flex-print repair.*



- **MODULE 1:** Introduction/IPC Professional Policies and Procedures
- **MODULE 2:** Wire Spicing, Basic Procedures & Techniques
- **MODULE 3:** Through Hole Components, based in large part on the J-STD_001 and the IPC-A-610
- **MODULE 4:** Chip and MELF Components
- **MODULE 5:** SOIC and SOT Procedures
- **MODULE 6:** J-Lead/QFP Procedures/Techniques on fine pitch devices
- **MODULE 7:** PWB Circuit Repair
- **MODULE 8:** Laminate Repair
- **MODULE 9:** Conformal Coating Identification/Removal/Replacements

Course Objective and Benefits: By completing this program, the successful graduate will improve his or her individual workmanship, offering a higher level of understanding of rework and repair criteria for printed circuit board assemblies critical to the quality objectives of your organization.

The successful graduate will have passed a rigorous open and closed book course assessment exam, and a practical exam pertinent to sections of the IPC-7711/7721 relevant to their course of study. Whether completing the entire course, or individual modules, the graduate will receive a comprehensive education in the required course material.

Who should take this course?

Rework technicians, soldering operators, inspectors, engineers and managers who wish to extend their knowledge, comprehension and require a proper interpretation of the IPC-7711/7721.