

# IPC VALIDATION SERVICES IPC-1791 QML Program

## IPC-1791 Qualified Manufacturers List Program

The IPC-1791, *Trusted Electronic Designer, Fabricator and Assembler Requirements*, addresses the gaps in current electronics industry trusted supplier accreditation programs. This IPC Validation Services program provides the electronics industry with a competitive network of “trusted suppliers” to ensure a high level of integrity in the entire PCB and Cable and Wire Harness assembly supply chain.

- Requirements for Qualification
  - ▶ Product Quality and Quality System
  - ▶ Supply Chain Risk Management System (SCRM)
  - ▶ Security System Including Compliance to NIST SP 800-171 and ITAR Registration
  - ▶ Chain of Custody (ChoC) Policy
- IPC-1791 QML Program
  - ▶ Supplier Selects Qualification Type
    - < Printed Board Designer
    - < Printed Board Fabricator
    - < Printed Board Assembler
    - < Cable and Wire Harness Assembler
    - < Non-U.S. Electronic Design, Fabrication, and Assembly Organizations
  - < Chain of Custody Policy – electronic and physical materials
    - Traceability Records
    - Document Control
    - Disposition of Design Data
    - Manufacturing Data
    - Physical Hardware
    - Scrap Materials and Parts
    - Finished Goods
    - Scrap Materials and Parts
    - Finished Goods
- Benefits of the QML for Designers, Fabricators, and Assemblers
  - ▶ Ensures the Following:
    - < Quality System in Place – (AS9100, NADCAP, IPC QML Qualification)
    - < SCRM System – addressing threats and counterfeit disruption
    - < Security System – protecting your IP from unauthorized access including demonstrating compliance to NIST SP 800-171



Early adopters have commented the requirements in IPC-1791 represent good business practices, with the added customer appeal of qualification.

For more details or have specific question contact **Randy Cherry**, [IPCValidation@ipc.org](mailto:IPCValidation@ipc.org).