	<u>QUALITY SYSTEM STANDARDS & PROCEDURES</u>	<u>WI-4.6-12</u> <u>Revision B</u>
<u>TITLE: Certification of Plating Processes (Outside Subcontractors)</u>		<u>Date: 1/23/04</u>
<u>Approved By: Jean Grant, Material Control Manager</u>		<u>Page 1 of 1</u>

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1. PURPOSE

To define requirements for certification of plating processes used in the manufacture of Autossplice components.

2. SCOPE

Applies to all subcontractors providing plating services to Autossplice.

3. REFERENCED DOCUMENTS

~~ANSI/J-STD-002~~EIA/IPC/J-STD-002 Solderability Tests for Component Leads, Terminations, Lugs, Terminals & Wires
 AIAG PPAP Manual

4. RESPONSIBILITIES

Subcontractors are responsible for providing the information detailed in this procedure in order to be certified as a supplier of plating services to Autossplice.

5. PROCEDURE

In order to be certified to provide plating services to Autossplice the following data shall be delivered prior to the start of production. This is a one-time requirement as long as no significant changes in the process (company move, introduction of new equipment, etc.) occur.

Capability studies for plating thickness, (Both nickel and tin lead separately) consisting of a minimum of 125 readings. (25 subgroups of 5) Cpk value should be 1.33 minimum with a goal of 1.67 or better.

Solderability tests on 10 parts in accordance with ~~EIA/IPC/J-STD-002~~ANSI/J-STD-002, Category 3, Tests "B" and "D" except that manual dipping may be substituted for the automatic requirement.

A process flow chart identifying critical equipment by manufacturer and model #.

A PFMEA identifying potential problem areas, risk factors and methods of control.


A Process Control Plan identifying test and inspection points and methods of control.

Existing family documentation (except for Capability study and solderability data) may be substituted for exact Autossplice part data as long as the process mirrors that used for our parts.

~~Upon receipt and approval of the data and plan, the supplier will be issued a certification. This information will be noted in the supplier file and the Approved Suppliers list. The supplier will also receive a certificate to display at their facility. Certification may be revoked if the supplier fails to maintain acceptable quality and delivery levels.~~

6. QUALITY RECORDS

Identification	Location	Access	Filing	Retention	Disposition
Required Supplier Documentation	Supplier Quality Files	General	By Supplier	As long as Supplier is active plus	Destroy

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