1.0 **Scope** To determine if the plated through-holes are sufficiently plated to withstand a relatively high current potential.

2.0 **Applicable Documents** None

3.0 **Test Specimen** Any plated through-holes on a test coupon or finished printed wiring boards.

4.0 **Apparatus** Power supply capable of generating 10 amperes and having a suitable load resistor.

5.0 **Procedure**

5.1 **Test** Select a load resistor, such that when the resistor shunts the positive and ground terminals at a regulated amperes power supply, a current of 10 amps will flow through each plated through-hole in the circuit in series with the resistor, for 30 seconds.

5.2 **Evaluation** Examine for breakdown (opens) when the current is applied to each plated through-hole.

6.0 **Notes** The power supply unit should have a safety interlock mechanism because of the relatively high current required for this test.