

**Operator Evaluation Sheet for IPC Hand Soldering Competition**

Operator Number:	Elapsed Time:	
Judge:	Date:	

**1. Operator Actions: -3 point for each, total 60**

ESD Violation		Destructive Component Removal		Incorrect Settings (Temperature, Air Volume)		Lift de-soldering tip without continuing vacuum (Clearing nozzle)	
Improper/no tinning of removal tip		The removed component is not placed on a heat resistant surface		Clean lands by dragging solder wick		DIP remove/soldering not using alternating Lead technique	
Component not removed/ more removed		No Land Preparation		Wrong Size Tip		Unused Tip Not Stored	
Iron Not Tinned (before placing in holder)		Clipped Leads Uncontrolled		Lead solder then clip (no reflow or inspect at 10x)		Unnecessary Rework	
Solder on both sides of the board		Transfer Soldering		Wrong stripping die size		Wire not tinned before soldering	

**2. Work area maintenance & Safety: -3 points for each, total 18**

Improper personal protection		Improper fume extractor use	
Dirty work station		Equipment left on when done	
No disposition of unused materials		Dangerous actions	

**Final Results**

Section	Possible	Deduction	Total	Remark
Op Actions - Section 1	60			Refer to above item
Area/Safety - Section 2	18			Refer to above item
Function - Section 3	320			Refer to Assy sheet
Removal inspection – Section	26			Refer to Assy sheet
Visual Inspect - Section 5	202			Refer to Assy sheet
Board Cleaning - Section 5	8			Refer to Assy sheet
<b>Total score</b>	<b>634</b>			

**Grand Total (600 possible)**