



Tips for Project Management

and

Process Optimization

For More Information, visit www.psim.com

Developing An Optimized Process Map Provides The Basis For The Project Plan:

Key to successfully managing a project plan is knowing where you are going. If traveling from Point A to Point B, a map is necessary so that you will not get lost on the way. The last newsletter stated that *Value Stream Mapping* is the foundation for optimizing a process and managing a project. An *Optimized Process Map* provides the basis for the project plan and provides the map of where the project is going.

The optimized process flow is derived from the value stream map developed in the first step. The optimized process

flow should be revised several times as needed until the desired optimization is obtained.

CAM	Save Originals Compare Revision On All Documents Compare Revision On All Data Assign Non Electrical Attributes (Data Outside Board) Convert Internal Planes To Positive Convert Planes To Polygon
Open Job	
Complete Netlist Extract	Compare Netlist To Customer Netlist (if Available) Create Golden Netlist Remove Innerlayer NFP
Prepare Copper Layers For Classify	Create Board Outline Verify To Print Delete Outside Board Edge Add Teardrops To Innerlayers (? Outlayers) • Create Drill Id • Create Drill 2d • Create Drill 3d • Compare Tool Count To Print • Compare Tool Data To Print
NC Rout Program	
Load Job Tooling Menu	Border Drill Check Measurements To Customer Print Create Array
Transfer Drill To CAD Layer NC CAM	Make A Note Of Errors On NC Print For Use On Rout Program Save Drill Layer To Archive

An Optimized Process Map Is A Step By Step Justified Revision Of The Value Stream Map. It Graphically Shows Who, What, Sequence, Step, And Details.

Every step and every keystroke in this process must pass the challenge test before it is included in the flow. The objec-

tive here is to eliminate unnecessary functions, steps, keystrokes, and redundancies. If a function has no merit or does not add value, it should be removed.

This is an area where a project manager must be careful so that legacy functions, resistance to change, protectionism, and the "I have always done it this way" syndrome do not creep into the picture. The Optimized Process Map should stand and be justified based on its own merits. It should be a true representation of how the process will be when it is completed.

About PSI

PSI specializes in Project Management and Process Optimization. With over 30 years in aviation, electronics, engineering, manufacturing, and management with technology leaders. PSI's founder,

Roy Mathena, has a proven track record of completing projects on time and within the constraints of the business case and project plan. He has been certified by the Project Management Insti-

tute (PMI) as a Project Management Professional (PMP). Success of many of the projects are charted at www.psim.com. Call 864-855-3373 for more information.

PMBOK

Project Management Process Groups

1. Initiating
2. Planning
3. Executing
4. Monitoring and Controlling
5. Closing

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