Process Design/Development Worksheets

PDCA		9-Steps	
Plan	1)	Describe the Project	
	2)	Explore the Essentials and Narrow	
		the Focus	
	3)	Establish the Metrics and	
		Constraints	
	4)	Identify Possible Alternatives and	
		Select the Best Alternative	3
	5)	Develop an Optimistic Plan with	
1		Obstacles and Countermeasures	ş
Do	6)	Develop, Implement and Monitor	
		the Detailed Plan	
Check	7)	Evaluate the Results	
Act	8)	Standardize	
	9)	Reflect on the Process	services in

The intent of this form is to formalize the thought process and ensure the proper steps are considered. It may also serve to explain the perspective of the teams approach at some future date. Other supporting documentation should be referenced from this document to provide details relative to ROI, Process Flow Charting,...etc.

Any of the steps shown may require external documents to provide additional information. At the bottom of each page, indicate the name of the appropriate support documents. All supporting documents should be filed in the same folder at this 9 step summary. Hard copy documents can be scanned into electronic form.

(Red dots indicate additional notes that may be helpful in completing this form.)

Step 1 - Describe the Project

Purpose:

- 1) State clearly and succinctly, the nature of the work at hand.
- 2) Supply background information concerning the reason for this project.

Project Name:	
Problem to Be Solved:	
	 _
Background Information:	
Core Team Members:	
Team Leader:	
Project Start Date:	
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Supporting Documents:	
supporting bocoments.	

Step 2 - Explore the Essentials and Narrow the Focus

Purpose:		
	1) a) To examine the impoortance of the project.	
	b) Take a broader perspective:	
	- understand the issues	
	- confirm the purpose of the team	
	c) Gain team consensus, ownership and focus.	
	Narrow the focus of the project if necessary. (i.e. segement the project into manageable pieces.)	
Why Is	s This Project Important?	
		. :
Quant	ify the Problem to be Solved in terms of Quality.	
Capa	acity, Thru-put, and/or Labor Savings Requirements:	
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High Level Proj	ect Timeline: Milestone	
Present Condition:		/
Date		1
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Desired Outcome:]
Re-State Team O	bjective:	س
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Supporting Doo	;uments:	1

Step 3 - Establish the Metacs and Jonst Land

Purpose:

- 1) Establish measures which will be used to indicate the teams success in achieving the objective and can be used to provide early was a good for late milestone accomplishments.
- 2) Determine the constraints (boundaries) that the team must werk within (cannot change) and provide a perspective on the size of the task at hand.

Define Metrics of a Successful Project

Constraints

<u>Metric</u>	<u>Value</u>	Constaint	Visit spil
Qualify Required:		Professional Control of the Control	
Capacity:		Timeframe:	
Delivery Schedule:		Cod	
Operator Skill Level:		Floor Space:	
Other:		Other:	
Other:		Other:	
Other:		Other:	
Supporting Doc	uments:		

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Step 4 - Identify Possible Alternatives

and Select the Best Alternative

Purpose:

- 1) Consider different approaches that could be used to accomplish the objective or to accomplish the milestones leading to the objective.
- 2) Select the approach the team will use as it proceeds.

Note:

This matrix may need to be employed at several stages of step 4. (Example: Technology selection followed by vendor selection.)

Copy this page to another sheet and attach as a supporting document.

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5 = Best Condition 1 = Worst Condition

Supporting t	Documents:	

Step 5 - Develop an Optimistic Plan with Potential Obstacles and Countermeasures

Purpose:

- 1) Develop a high level plan for accomplishing the objective.
- 2) Include potential obstacles to the success of the plan.
- 3) Develop countermeasures to overcome and/or prevent the potential obstacles.

Suggestion:

Review timeline from Step 2 from the perspective of the alternative selected.

Date	Milestone		Worst Things That Could Happen?		What Can We Do to Avoid It?
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Supporting D	ocuments:				
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Step 6 - Develop, Implement and

Monitor the Detailed Plan

Purpose:

- 1) Develop Gantt Chart to highlight the tasks that can be addressed in parallel.
- 2) Develop a detailed plan of implementation.
- 3) Implement and monitor the detailed plan.

Note:

This Section Requires Supporting Documents
Including a Flow Chart Showing Parallel Tasks and a
Gantt Chart to Establish a Specific Timeframe for Results.

What	Who	When	Ed Say	Carrier Constitution
Gantt Chart (required)		MANAGE STREET, MANAGE M	A CANADA CONTRACTOR OF THE CON	# · · · · · · · · · · · · · · · · · · ·
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Vendor Evaluation Plan				1
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Equip. Acceptance Plan				The state of the s
Facilities Plan		AND ALL THE RESIDENCE AND ALL THE AND ALL	**************************************	
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Training Plan				Environmental Control of the Control
Preventive Maintenance Plan				
Process Control Plan				Property of the state of the st
		#### + ## + ## + ### + ###############		
Supporting Documents:				
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Step 7 - Evaluate the Results

Purpose:

- 1) To confirm that the team has accomplished its objective.
- 2) To provide data that the team can use to PDCA (see overview) its process.

Note:

Metrics from Step 3 have been restated.

	Desired Metrics from Step 3	Actual Metric	Conclusions
Quality (Required:	0		
Capacity:	0		
Delivery Schedule:	0		
Operator Skill Level:	0		
Other:	0		- 100 Maria (100 Maria
Other:	0		**************************************
Other:		Annual An	ykasta kaikulu muutukaisisistoo kuutus ka
Supporting	Documents:		A STATE OF THE PROPERTY OF THE STATE OF THE

Step 8 - Standardize

Purpose: 1) To standardize the process used or the new process implemented. 2) To reduce variation in the process. **Process Operation Process Controls Document (POD)** REA: REA: Critical POD #: Parameters: Method of Release Control: Date: **Process Training Completed** Preventive Maintenance POD REA: REA: **Date Training** POD#: Records Filed: Release Date:

Supporting Documents:

Step 9 - Reflection on the Process

Purpose:

- 1) To reflect on the lessons learned by the team related to the 9-Step process.
- 2) Determine the next activity.
- 3) Recognize the team and other contributors.
- 4) Finalize and communicate this report to others in the organization.

How	did	we	do	•
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nat could we have done better?