# Self-Directed Process Improvement (SDPI) Workbook



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### Introduction

Self-Directed Process Improvement (SDPI) is a common sense step-by-step way of studying work to find easier and better ways to get results. No special skills or training is necessary – just a little focused attention.

The technique is really very simple. It is a logical way of solving a problem. You will recognize it as just good common sense.



### The steps in SDPI are:

- 1. Select the process to be improved
- 2. Look at the whole
- 3. Break down the process in detail
- 4. Question the job and then each detail
- 5. Develop new process
- 6. Apply the new process

Not too tough, nor time consuming.

Now let's see how each step is done. First we'll present a Table of Contents and then we'll begin at the beginning with step 1.

# **Self-Directed Process Improvement (SDPI)**

1 SELECT THE PROCESS TO BE IMPROVED	
2 LOOK AT THE WHOLE	2
IS THE PROCESS NEEDED?	
GATHER INFORMATION ON QUANTITIES.	
COMPLETE A PROCESS COSTING ANALYSIS	
3 BREAK DOWN THE PROCESS IN DETAIL	4
PROCESS CHART	5
4 QUESTION THE PROCESS	9
ASK THE QUESTION "WHY?"	9
5 DEVELOP THE NEW PROCESS	12
EVALUATE WHAT TO CHANGE	
DECIDE ON POSSIBLE ACTIONS	
CREATE A PROPOSED PROCESS CHART	
<u>Calculate Benefits and Cost</u>	18
6 APPLY THE NEW PROCESS.	20
PREPARE TO TAKE ACTION.	20
IMPLEMENTATION CONSIDERATIONS	
7 EVALUATE RESULTS	
SUMMARY	25
SUPPORTING TOOLS	26
<u>Timesheets</u>	26
COLLECTIVE NOTEBOOK	
SERVICE GAP EXPERIENCE CHART	

### 1 Select the Process to be Improved

Self-Directed Process Improvement can be applied to any work at DMV.

To be most valuable, consider these types of processes:

- A. Pick a **bottleneck** process. This is a process on which any improvement will help the whole process speed up.
- B. Select a process that is **used** a lot. Processes that require a lot of time every year have larger savings possibilities than infrequently used processes.
- C. Work on **simple** processes until you learn the technique.
- D. Pick a process that is **complex or hard** to do. Make it simple.
- E. Pick a process that is **S-L-O-W**. Speed it up.
- F. Select a process that tends to give **wrong results** too often. Make it harder to give wrong results and easier to give right results.
- G. Improve a process that is just **not fun** to do. Perhaps it is tedious or requires working conditions that are disagreeable. Fix it.

The only way you'll learn is by doing. Select a process from the list above, but most important, SELECT a process and get going. Doing nothing doesn't help. Even improving the wrong process will provide some value and teach you how to make improvements on the right processes.

### 2 Look at the Whole

Why look at the whole? So you don't waste time.

Before spending much time fixing a process, you should investigate to see if the process is needed!

### Is the process needed?

Many processes are the result of a need that no longer exists. There is no reason to produce reports that are never used, for instance. If there is no customer need and no law, rule or policy that requires the process be completed, perhaps it can be eliminated. That would pretty much take care of the problem.



tart by figuring out the answers to these two questions:

- A. What product does this process produce? (Product includes services that are delivered.)
- B. Who uses the product?

Now go talk to whomever it is that uses or represents the users of that product. Ask them these questions:

- A. What do you use this product for?
- B. What would happen if it were no longer produced?
- C. Could another existing product replace this product?
- D. Could some part of this product be eliminated (such as copies, signature, calculations, back up information, level of detail.... use your imagination!)

If the product can be eliminated, perhaps the process can, as well. Good job; fast work! However, don't forget about the hammer theory. A hammer is seldom used, but when it is needed, little else can do the job as well as the hammer. Eliminating it might make the tool case easier to carry, but cause problems later on. Before eliminating the product, make sure it is not needed in other areas or valuable even if seldom used!

If the product cannot be eliminated, can it be simplified? If so, we would at least now have clues that can be used during the process redesign efforts in later steps.

If the product must be as it is, don't fret. The process might still be able to be redesigned.





### Gather information on quantities

It is not always the best choice to spend time on a process that has little impact on the organization.

- □ How many units of the product are made?
- □ How many times is the process completed?
- □ How long does it take to do the process?
- □ Are there a lot of errors? What percent?
- □ Does this process tie up a lot of equipment time?
- □ Who and how many people work on this process?
- □ How much time do they spend on this process?
- Does this process require a lot of input, customer contact, or analysis to complete?

### Complete a process costing analysis<sup>1</sup>

Use the best numbers you can:

Number of person(s) hours to complete the process
X number of times per year the process is completed
X cost per person-hour (including benefits)
= LABOR COST

Here is an example:

2 person-hours are required each time the process is completed X 40 times per year

X \$18 per person-hour (including benefits)

= \$1,440 per year

Probably not worth doing much about...

Here is another example:

10 person-minutes (.167 person-hours) are required each time the process is completed

V 100 times per day (25,000 times per year)

X 100 times per day (25,000 times per year) X \$18 per person-hour (including benefits) = \$75,150 per year

Probably worth spending some time to improve!

If the process is needed, and it is worth improving, proceed to the next step.

List of support is available at the IT Intranet web page



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### 3 Break Down the Process in Detail

Now that you have looked at the forest and are sure the process is needed, it is time to look at the trees. Why break the process down in detail? In order to improve the process, it is necessary to understand everything that happens within that process. You must find out the following:

WHAT is being done?

WHERE is it done?

*WHEN* is it done?

WHO does it?

*HOW* is it done?



If you are sick, your doctor needs to understand your symptoms, and then evaluate what the problem is. Your garage mechanic can't figure out why your car won't run unless he checks each possible cause separately.



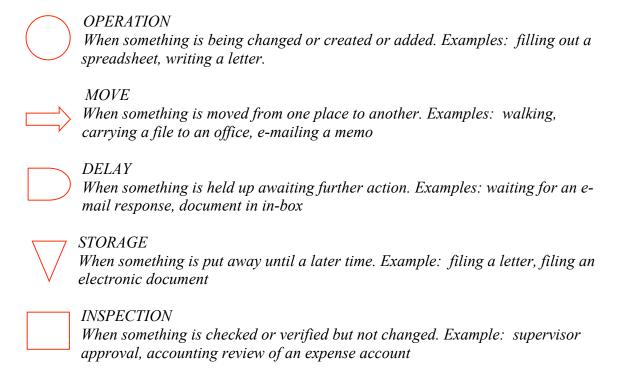
Evaluating a process in detail is not hard, but it does require organization. There is a tool that can help: the Process Chart.

This tool is explained on the following pages.

### **Process Chart**

A picture is said to be worth a thousand words, which can be very helpful when trying to understand something! A process chart is a picture of the process. It helps you capture all the operations, movement, inspection, delays and storage that are completed by an employee or done to something.

There are five **symbols** used in a process chart. One symbol is used for each step of the process. Each symbol helps create an immediate visual picture. Here are the symbols, which are all available in the AutoShapes of any Microsoft Office program.



There are nine **steps** involved in making a process chart, as follows:

1. Choose the *subject* to be followed. The subject should be



A PERSON or A FORM or DOCUMENT (including electronic)



- 2. Identify the volume of times the process is completed. Fill in the period for the frequency, as well (e.g. day, month, quarter, year).
- 3. Fill in the page number for this flow process chart, fill in the date, and put your name on the form in the *Prepared by* block.
- 4. Write a brief *description* of each process step
- 5. Identify who you contacted to discover what process steps are actually occurring.

- 6. Mark the *symbol* that goes with each process step description.
- 7. Enter *time* and *distance*. Write the approximate duration for each task. Write distance for all physical moves. Keep consistent units for time and distance (such as minutes or hours, or feet or miles).
- 8. *Summarize* by adding up all the facts and entering them into the summary block. Indicate the units used.
- 9. Identify if this chart is a reflection of the current process (AS-IS) or a proposed future process (PROPOSED).

Below is the top portion of the Process Chart form, showing where each of the eight steps is located on the form.

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7								_								
9																
10																
11																

- Remember, the process chart is only used to follow one person, one form, or one document.
- Don't get bogged down with too much detail.
- Take the "happy path" Ask your self does this happen 80% of the time. If not put it on a parking lot and address it seperately.
- A blank process chart is on the next page for your use.

Operation	ME				-	-											
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Below is an example process chart completed at an accounting office for a CPA file:

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Step	Symbol		Time	Dist.		PROCESS STEPS					PLACE	PERSON	IMPROVE	AUTOMATE	TELECOMMUNICATE				
1					Receive wri	eceive write up work from client													
2			1		Pull client fi	ĭle													
3			3	8	Carry file to	Carry file to work station													
4			3		Open client Quick Books file														
5			18		Enter checkbook transactions														
6			720		Wait for pet	tty cash transac	ctions												
7			7			cash transactio													
8			2	6	Carry to Sup	Carry to Supervisor for review													
9			6		Supervisor i	Supervisor review													
10			2	6	Carry to fili	Carry to filing cabinet													
11			1		File support	ting documents	S												

This example does not yet include the analysis, however. It simply represents the process as it currently is. Complete the process chart before proceeding to the next step.

Next we'll learn how to question the job and evaluate each detail.

### **4 Question the Process**

In order to develop better processes, nothing should be taken for granted. Instead, everything should be questioned. Start by looking at the overall process. You already asked if the process was necessary and decided it is. Now dig a little deeper. Apply the questions listed below and, if any of the questions strike a chord, dig into the specific steps of the process. However, it probably will not be helpful to ask each and every question below of each and every step on your Process Chart at this time. You will have a chance to look at each step in detail in the next section.

### Ask the question "WHY?"

Knowing This	Ask This!
1. WHAT is done	WHY is it done at all? What else could be done to accomplish the same result?
2. WHERE it is done	WHY is it done there? Where else could it be done?
3. WHEN it is done	WHY is it done then? At what other time could it be done?
4. WHO does it	WHY does this person do it? Who else could do it?
5. HOW it is done	WHY is it done this way? In what other ways could it be done?

Here are a few things that might influence changes:

- Does law, rule or policy require this process or process step?
  - o Your options for changes may be limited.
  - You may need to involve the program/policy area or core group.
- □ Is there an existing standard process or procedure already in place?
  - o Changes may need to be consistent with the standard.
- □ Could this work be done better in collaboration with another unit?
  - o Be sure to involve people from the other unit in this evaluation.

Make sure that the present methods are okay, or discover other methods to be tried. Remember - take nothing for granted!





NOT OPINIONS

v produce arguments – Fa

Opinions only produce arguments – Facts produce conclusions. A fact does not disappear when you ask "why?"



# WORK ON CAUSES – NOT EFFECTS

A pail under a leak in the roof will never fix the leak.

# WORK WITH REASONS – NOT EXCUSES

An excuse leads to dead ends and no action.

A blank form to record the answers to the questions for your process is on the next page for your use. Complete the form before proceeding to the next step.

SUBJECT:	Date: Prepared by:
Knowing This	Answer ("WHY")
1. WHAT is done	
2. WHERE it is done	
3. WHEN it is done	
4. WHO does it	
5. HOW it is done	
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### **5 Develop the New Process**

At the end of the questioning in step four, you looked at the process in general and answered why, as related to what, when, where, who and how information. Now you will did deeper. In this step you will:

- □ Evaluate what to change
- Decide on possible actions
- □ Create a Proposed process chart
- Calculate benefits and cost

It is best to assume that there are always ways to improve any process. It may surprise you to find out how often this is true!

Don't say:

## It can't be changed!

Instead say:

# You never know until you try!

When something has been done in a particular way for some time, it is a pretty good sign that there is now probably a better way to do it.

Applying the Question	Tends to result
"WHY"	in
to these five prompters:	the following actions:
What	Eliminate
Where	
	Change Sequence
Who	
	Improve / Automate / Telecommunicate

### Evaluate what to change

Look at the following possibilities:

- □ Can this process step be eliminated?
- □ Can this process step be combined with other steps?
- □ Can the sequence of the process steps be changed to improve the flow?
- □ Can the location (place) of where the process step is completed be changed?
- □ Would it be better if the process step is assigned to someone else?
- □ *Is it possible to improve how this process step is done?*
- □ Can this process step be automated?
- □ Would the use of telecommunications improve this process step in some way (e.g. use Intranet, e-mail, fax)?

### Decide on possible actions

Below is our example with possible actions filled in.

PROCESS CHA	RT	Г	Pag	e1_ of	1	Date		Pre	pare					٦			
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AS-IS				SUBJECT		2		FREQUENCY PERyear									
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SUMMARY Units	No.	Time Min	Dist. Ft	STEPS	DEDCO	<del>.  </del>	POSSIBLE ACTION										
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Step Symbol		Time	Dist.		PRO	CESS STEPS	ELIMINATE	COMBINE	SEQUENCE	PLACE	PERSON	MPROVE	AUTOMATE	TELECOMMUNICATE			
				Receive wri	Receive write up work from client												
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2		1		Pull client fi	ile									$\dashv$			
		3	8	Carry file to	work station	l											
		3		Open client Quick Books file													
5 ● ⇒ ▷ ▽ □		18		Enter checkbook transactions													
		720		Wait for pet	ty cash transa	actions											
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8 ○ → ▷ ▽ □		2	6	Carry to Sup													
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It is important to capture the thinking behind the possible actions. A simple table with an entry for each step should be created. Include information that describes why you are proposing each modification. Below is an example:

STEP	POSSIBLE ACTION AND REASON
1	Receive write-ups from clients either via email or the Internet rather
	than through the mail in order to minimize delays and to facilitate later
	automation of movement of information.
2	Keep client files on-line. This allows them to be electronically moved
	and processed.
3	By keeping the client files on-line, no physical transportation of the
	files is needed.
4	Also by keeping the client files on-line, an automatic link to Quick
	Books could be created, combining the computerized step 2 with this
	step.
5	No change.
6	Receive the petty cash transactions via email or the Internet, reducing
	the wait time.
7	No change
8	With computerization, controls can be built into the process,
	eliminating the need for the Supervisor review, thus also eliminating
	any transportation of the files.
9	Eliminated
10	Since the client files are on-line, no physical transportation of the files
	is needed.
11	The on-line files can be filed electronically.

### A few things to consider:

- □ Before eliminating a step, make sure it is not required by law, rule or policy.
- □ Find out if there is a standard for this process already in place. If there is, compare this process to that standard before evaluating possible actions.
- □ You might find that the entire process should be redesigned. If so, evaluating what to do with steps in the existing process might not be valuable.

A blank POSSIBLE ACTION AND REASON form is on the next page for your use.

SUBJEC	T: Prepared by:
STEP	POSSIBLE ACTION AND REASON
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### Create a Proposed process chart

Based on the possible actions, a new process chart should be created and used for testing the proposed idea. Below is our example:

PR	ROCESS CHA	R	Г	Dag	e1_ of	1	Date		Pre	_	d by		_		$\Box$		
				1 ag	<u> </u>		11/8/200			R	on S	Sara					
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Step Symbol Time Dist.				Dist.		PROC	CESS STEPS	ELIMINATE	COMBINE	SEQUENCE	PLACE	PERSON	IMPROVE	AUTOMATE	TELECOMMUNICATE		
1					Electronical	ly receive wri	ite up work from client										
2			1		Electronically pull client file and open Quick Books												
3	3 ● ⇒ ⊃ ▽ □ 18				Enter checkbook transactions												
4 ○ ⇒ ▶ ▽ □ 65					Electronical	ly receive pet	ty cash transactions										
5			7		Enter petty of	nter petty cash transactions											
6			1		Electonically	lectonically file supporting documents											

This new chart is made up so that:

- 1. All concerned will know how the new job is to be done.
- 2. It creates a record for reference when other changes are planned in the future.
- 3. It helps to explain and "sell" the new process to all concerned.

Another blank process chart is on the next page for your use.

Once the proposed chart is completed, next figure out the benefits and costs.

PI	ROCESS CHA	R	Γ	Pag	ge of _		Date			Pre	pare	d by	7						
	S-IS ROPOSED				SUBJECT				FREQUENCY PER VOLUME										
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### Calculate benefits and cost

One way to judge the value of a new process is to calculate how much it will save and much it will cost. Of course, saving money is only one justification to change a process. Increasing speed of delivery, increasing capacity, improving safety, decreasing floor space and increasing accuracy are a few other reasons.

Address these questions:

- □ Will the new process work?
- □ Will it save money? How much?
- □ Will it provide other non-monitory benefits? What?
- □ Will it affect other processes? How?
- □ Will it create quality results? What are the benefits?

Many of the improvements will result in actual dollar savings that can be calculated and shown. If possible, show the value of the proposed improvements. Use the summary data of your As-Is and Proposed Charts, along with estimates of other benefits and costs, to complete this table:

Improvement Results										
	Delay		Operation	Move	Storage	Inspection	Total			
As Is										
Proposed										
Savings										
\$ Savings										
Other										
Benefits										
Cost										

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In our example, we reduced 15 minutes (.25 hours) of labor from each time the process is completed and 655 minutes of delay time, for a total reduction in 670 minutes (11.1 hours). The following table results:

This process occurs approximately 3,450 times per year and labor cost is approximately \$25 per hour, including all benefits.

.25 hours saved per cycle

X 3,450 times per year

X \$25 per hour

= \$21,562.50 per year.

Further, client satisfaction can be increased by the reduced turn around time of a little over 11 hours.



The cost of the improvements probably would include about \$50 per year for email, a change to business cards, employee training, and client education.

For our example, an Improvement Results table might appear as follows:

Improvement Results											
	Delay Operation Move Storage Inspection						Total				
As Is	720		29	7	1	6	43				
Proposed	65		26	1	1	0	28				
Savings	655 3 6 0 6										
\$ Savings	\$21,562.50										
Other	Improved	l client sati	sfaction thro	ugh reduce	d turn arou	nd time of 65	5				
Benefits	minutes (	minutes (just over 11 hours)									
Cost	Money from our company: about \$50 per year for email and \$100 for new										
	business cards. Labor redirected within our company: about 8 hours for										
	employee	e training.									

Based on these savings and cost, is the project beneficial? In this case, probably. Now how to implement the improvement needs to be considered.

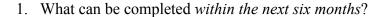
### **6 Apply the New Process**

### Prepare to take action

Think about whether all of the possible actions that have been identified can be

immediately put into place. It may be that the recommended changes need to be implemented over a period of time. Before attempting to gain approval for implementation, consider phasing in the recommendations.

A good way to think of phasing for process improvement is in two distinct timeframes.



These improvements will primarily be simple, cheap, can be completed with existing resources, and not require extensive approvals. In this case, you should be able to proceed directly to implementation.

2. What can be completed beyond six months?

These improvements could be more complex, require more planning and resources, and perhaps involve a couple of layers of management for approval. In this case, you will likely need to follow your normal chain of command process to proceed.

In order to help with the planning and presentation of your recommendations, you should make a version of the process chart reflecting each of the two time frame options above. Below is a possible recommendation for an improvement that can be completed within the next six months.

For this example, it might be unreasonable to expect the Supervisor to stop reviewing the documents and eliminate paper filing without first fully testing the system.

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				гад	7		11/8/200					Sara			
☐ AS					SUBJECT 2				FREQUENCY PER						
■ PR	PROPOSED 6 mo  No. Time Dist.					Pro	ocess Client File	VC	VOLUME _ 3,450						
SUMM	ADV Linita	No.	Min	Dist. Ft	STEPS	DEDCO	NS & DEPT. CONTACTED		POSSIBLE ACTION						
	ARY Units eration	3	27	Гt	1 - 11	April Phillip			PC	1881	BLE	AC	ПС	IN	一
⇒ Mc		3	4	12	1-11	Aprii Fillini	JS								
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	rage	1	1			<del> </del>									NIC/
	pection	1	6					E		田田				IE	IMU
	TOTALS	9	103	12				ELIMINATE	COMBINE	SEQUENCE	ш	NC	OVE	MA	CON
Step	Symbol		Time	Dist.		PROCESS STEPS					PLACE	PERSON	IMPROVE	AUTOMATE	TELECOMMUNICATE
1					Electronical	Electronically receive write up work from client									
2			1		Electronical	lly pull client	file and open Quick Books								
3			18		Enter check	book transact	ions								
4			65		Electronical	lly receive pet	tty cash transactions								
5			8			Print for Supervisor review									
6			2		Carry to Supervisor for review										
7	$\bigcirc \Rightarrow \Box \bigtriangledown$		6		Supervisor review										
8			2	6	Carry to filing cabinet										
9			1		File supporting documents										

Not all of the savings have been realized; therefore a revised benefits and costs should be generated for each of the timeframe recommendations.

Once phasing is figured out, specific tasks for implementation should be listed so approval can be granted with full knowledge of what it will take to get the desired results.

Recommendations that cannot be implemented within the six-month timeframe should be submitted for evaluation and further development. The following forms should be completed and submitted:

- a. As-Is Process Chart with the Possible Actions portion filled in
- b. Possible Action and Reason worksheet
- c. Proposed Process Chart
- d. Six-month Proposed Process Chart (if appropriate)
- e. Improvement Results Chart

Recommendations that can be implemented right away should be planned and worked on. A simple task list should be prepared, as shown on the next page, to help guide action.

SUBJECT:		Date:	•		Prepared by:			
No.	Task	Begin	End	Assigned to	Status			
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Revised 12/23/02

Download this worksheet: Word

The final steps are to gain approval, put the work on your calendar, and get the job done! However, there are a few considerations that can make implementation much more successful.

### **Implementation considerations**

Most process improvements require that employees learn new ways of doing their job. Even though the new way may use less effort, some employees may not like it because it requires change.

It is normal for people to resist change, just as they resent criticism and usually are suspicious of what they don't understand.

The people working the process can make or break the recommendations. They must be sold on the new process, and they can't be sold by forcing the new process on them.

When preparing for the change:

- □ Explain how the change will affect them
- Explain the benefits
- □ Provide support and training as needed
- □ Address concerns

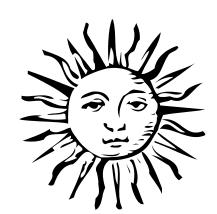
Most process improvements also impact other units / work areas in some way. Care should be taken to communicate and coordinate changes with those other units / work areas to ensure that unintended consequences do not occur.

Law, rule or policy may affect some process improvements. If you plan to make changes that might affect policy, have you discussed these changes with the policy or program area? Sometimes this can be as simple as a phone call to the program area for clarification; at other times the program area may need to do research.

Finally, as you implement your changes, keep all interested parties aware of your progress, especially if the implementation will take a while to complete. Over communicate so there are no surprises. When people feel that you care enough to keep them up to speed on your progress, they will care enough to help you.

### 7 Evaluate Results

So, the changes have been made. Perhaps the sun is shining, the roses are blooming, and all is well in the universe. Perhaps not. Some improvements don't actually turn out to make a positive difference, while others turn out to provide more benefit than expected. Now is the time to measure and communicate results. There is a lot of learning that can be gained by taking a few minutes to evaluate what actually has taken place.



One way to measure the results is to create a new Process Chart showing how the process is now

completed. This is a *new* As-Is Process Chart. The benefits that actually resulted (or did not result) can then be calculated by comparing the new As-Is Process Chart with the original As-Is Process Chart. Recommendations left to be implemented can also be identified by comparing the new As-Is Process Chart with the original Proposed Process Chart.

Another good measure can be gained by talking with the employees completing the process and the customers receiving the product. Are they happier than they were before the changes were made? Are there problems with the new process? Are there new ideas for additional improvement?

### After implementation:

- □ Evaluate to see what results you actually obtained. Complete a new As-Is chart to reflect the improved process.
- □ See if the idea can be applied someplace else
- □ Follow-up and be receptive to new improvements that might develop
- □ Communicate successes

### **Summary**

### Remember the steps:

- 1. Select the process to be improved
- 2. Look at the whole
  - a. Is this process needed?
  - b. Gather information on quantities
  - c. Complete a process costing analysis
- 3. Break down the process in detail
  - a. Make a process chart
- 4. Question the process
  - a. Ask the question "why?"
- 5. Develop the new process
  - a. Evaluate what to change
  - b. Decide on possible actions
  - c. Create a Proposed process chart
  - d. Calculate benefits and cost
- 6. Apply the new process
  - a. Prepare to take action
  - b. Implement
- 7. Evaluate results

That is all there is to it! Not too hard. It simply takes an organized way to look at what the work presently is and how it could be. Don't let the tough ones "stump" you. Keep at it!

### **Supporting Tools**

There are three tools that you might find helpful to amplify the impact of Self-Directed Process Improvement. They are:

- Timesheets
- □ Collective Notebook
- □ Service Gap Experience Chart

Each of these tools is introduced below.

### **Timesheets**

Tracking your time is an excellent way to determine where to focus your improvement efforts. Generally, any two-week period of time that does not have unusual activity will give an excellent view. For many people, a shorter time, or even estimates of time allocation, will do. Some employees may already be tracking their time and not need this form. However, on the next page is a form that may be useful in capturing and reporting your time. Look for areas where it appears a large amount of time is being spent, yet relatively little value is created. Focus on these time-killers as opportunities for improvement.

Employee Name		Task List Instructions										
Division - Section - Dept  Job Title  Supervisor   Date			Print legibly and number each task     Start with most frequent task.     Describe each task completely.     Estimate time in quarter-hour units.									
Jup	ei visoi	Date										
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| Revised 11/8/2002

### **Collective Notebook**

The Collective Notebook Method is a creative problemsolving tool. It is useful for identifying a large number of solutions for a given problem, such as how to improve a broken process. Collective Notebook as developed by John Haefele of the Proctor and Gamble Company.



### Here is the process:

- 1. Give each participant a notebook (index card, paper, or any other form to capture information spontaneously) with the problem statement written on the first page.
- 2. Ask participants to record ideas in the notebook over the period of several days, a week, or even a month.
- 3. Before turning the notebook back in, have the participants identify their best idea, ideas needing research, and new ideas not related directly to the problem.
- 4. Compile the ideas from the notebooks into categories.
- 5. Hold group meetings to discuss the ideas.

### **Service Gap Experience Chart**

The Service Gap Experience Chart provides a way to evaluate the experience of the customer and zero in on improvements that need to be made. It is best filled out in

partnership with the customer or someone that can accurately represent what the customer experiences. The customer could be the end customer or a unit downstream from you. To the right is a copy of the chart layout.

EXPERIENCED	EXPECTED	GAP					

In the left-hand column, the actual customer experience is recorded. In the middle column, the expectation of the customer is recorded, and in the right-hand column, identification of what improvement needs to be made is recorded.

<b>EXPERIENCED</b>	EXPECTED	GAP
Phone answered on the sixth ring	Phone answered on the third ring	Faster Response
Unable to answer question; referral	One stop to answer	Referral

For example, if a customer tries to contact you by phone and finds that it is not answered until the sixth ring, the first line of the Service Gap Experience Chart shown to the right might apply. In talking with the customer, they

might tell you that they really expected the phone to be answered by the third ring, indicating a need for faster response.

Another example is shown in the second line. Perhaps the customer found that the person that answered the phone could not answer their question and recommended a referral to someone else. However, the customer might have been led to believe that their questions should be able to be answered on the one call without referral – a "one stop" solution. If that is the case, the referral becomes the gap that should be reviewed for possible improvement.

Typically, the Service Gap Analysis chart is completed either when a complaint is logged, or when a service process is analyzed. In either case, a number of customers are interviewed to determine what their experience is and what their related expectations were. Where there is a difference, there is an opportunity for improvement.