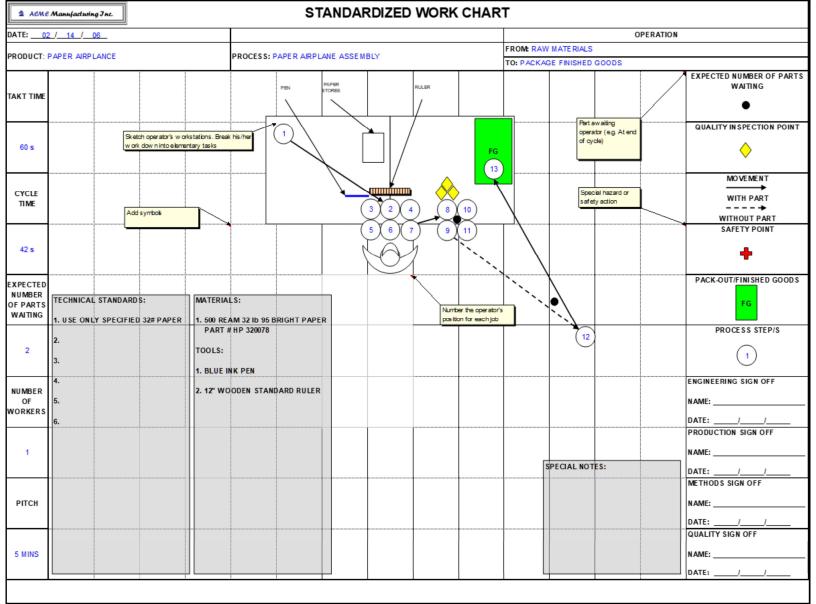


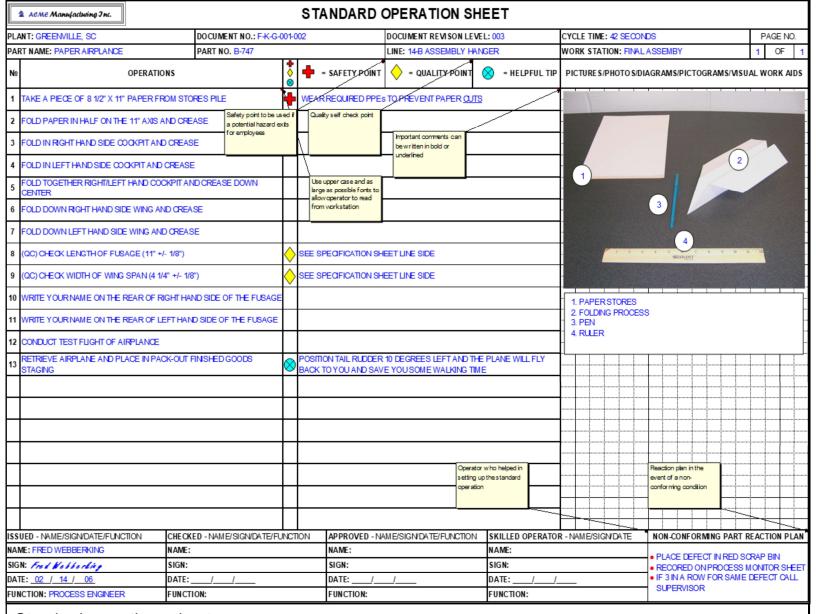
On a scale of 0 to 10 I would put myself at an 8.5 for my knowledge of MS Word, Excel, PowerPoint and Project in using them to create standard work templates, documents and reports.

These sides are just some examples that exemplify my adeptness in creating standard work documents and reports using Word, Excel PowerPoint and Project.

The first 7 examples I use to train people cycle time measurement by making paper airplanes.



Standard work chart.



Standard operations sheet.

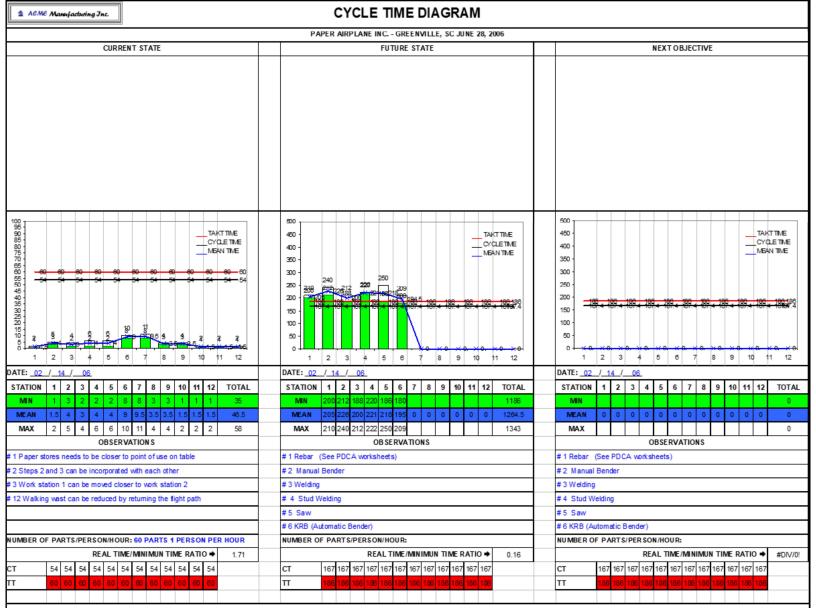
	2 ARME Manufacturing Inc. MEASUREMENT OF CYCLE TIME																								
PRO	PRODUCT: PAPER AIRPLANE WORK STATION: FOLDING							LAYOUT:																	
PR	PROCESS: FINAL ASSEMBLY ANALYZED BY: JOHN DOE																								
DATE: 02 / 14 / 06 TIME: 1				П ME: 11:30 AM										1											
Nº	BASIC ACTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	MEAN	MIN	MAX	V %
_	Pickup paper	0	Running Clock	Running Clock	Running Clock	Running Clock	Ruming Clock	Ruming Clock	Ruming Clock	Ruming Clock	Ruming Clock	Ruming Clock	Running Clock	Running Gook	Running Gook	Ruming Clock	Running Clock	Running Clock	Running Clock	Ruming Clock	Clock				
1	MP:	Write	Write	Write	Write	Write	Write	Write Value	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Value	#DIV/0!	0	0	#DIV/0!
_	Fold#1	Running	Ruming Clock	Ruming Clock	Rurring	Ruming Clock	Running	Running Clock	Ruming	Ruming Clock	Ruming Clock	Ruming Clock	Running Clock	Running Gook	Running Gook	Running Clock	Ruming Clock	Ruming Clock	Running Clock	Ruming Clock	Clock				
2	MP:	Write	Write	Write	Write	Write	Write	Write Value	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Value	#DIV/0!	0	0	#DIV/0!
	Fold#2	Running Clock	Ruming Clock	Ruming Clock	Running Clock	Ruming Clock	Running	Running Clock	Ruming	Ruming Clock	Ruming Clock	Ruming Clock	Running Clock	Running Gook	Running Gods	Running Clock	Running Clock	Ruming Clock	Running Clock	Ruming Clock	Clock				
3	MP:	Write	Write	Write	Write	Write	Write	Write Value	Write Value	Write	Write Value	Write	Write	Write	Write	Write Value	Write Value	Write	Write	Write	Value	#DIV/0!	0	0	#DIV/0!
	Rotate Fold # 3	Ruming Clock	Running Clock	Ruming Clock	Running Clock	Ruming Clock	Running Clock	Running Clock	Running Clock	Running Clock	Ruming Clock	Ruming Clock	Running Clock	Running Gook	Running Gods	Running Clock	Running Clock	Running Clock	Running Clock	Ruming Clock	Clock				
4	MP:	Write Value	Write	Write	Write	Write Value	Write	Write Value	Write Value	Write	Write Value	Write	Write	Write	Write	Write Value	Write	Write	Write	Write	Value	#DIV/0!	0	0	#DIV/0!
_	Fold#4	Ruming Clock	Running Clock	Running Clock	Ruming Clock	Ruming Clock	Ruming Clock	Running Clock	Running Clock	Ruming Clock	Ruming Clock	Ruming Clock	Running Clock	Running Gods	Running Gods	Ruming Clock	Running Clock	Ruming Clock	Ruming Clock	Ruming Clock	Ruming Clock				
5	MP:	Write	Write	Write	Write	Write	Write	Write Value	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Value	#DIV/0!	0	0	#DIV/0!
	Flip and Fold #5	Ruming Clock	Running Clock	Running Clock	Ruming Clock	Ruming Clock	Ruming Clock	Running Clock	Ruming Clock	Ruming Clock	Ruming Clock	Ruming Clock	Running Clock	Running Gods	Running Gook	Ruming Clock	Running Clock	Ruming Clock	Ruming Clock	Running Clock	Clock				
6	MP:	Write	Write	Write	Write	Write	Write	Write Value	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Value	#DIV/0!	0	0	#DIV/0!
_	Flip and Fold #6	Running	Running Clock	Running	Running	Ruming Clock	Ruming	Ruming Clock	Ruming	Ruming Clock	Ruming	Ruming Clock	Running Clock	Running Gook	Running Gook	Running Clock	Ruming Clock	Ruming Clock	Running Clock	Ruming Clock	Clock				
1	MP:	Write	Write	Write	Write	Write	Write	Write Value	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Value	#DIV/0!	0	0	#DIV/0!
8	Measurement 2 Points	Running	Running Clock	Running	Running	Ruming Clock	Ruming	Running Clock	Runing	Ruming Clock	Ruming	Ruming Clock	Running Clock	Running Gook	Running Gods	Running Clock	Running Clock	Running Clock	Running Clock	Running	Clock				
8	MP:	Write	Write	Write	Write	Write	Write	Write Value	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Value	#DIV/0!	0	0	#DIV/0!
	Measurement 1 Point	Running Clock	Ruming Clock	Ruming	Running Clock	Ruming Clock	Running	Running Clock	Ruming Clock	Ruming Clock	Ruming Clock	Ruming Clock	Running Clock	Running Gook	Running Clock	Running Clock	Running Clock	Ruming Clock	Ruming Clock	Ruming Clock	Clock				
9	MP:	Write	Write	Write	Write	Write	Write	Write Value	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Value	#DIV/0!	0	0	#DIV/0!
40	Validate/Name	Running	Running Clock	Running	Running	Ruming Clock	Running	Running Clock	Ruming	Ruming Clock	Ruming	Ruming Clock	Running	Running Gook	Running Gook	Running Clock	Running Clock	Running Clock	Running Clock	Running	Clock				
10	MP:	Write	Write	Write	Write	Write	Write	Write Value	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Value	#DIV/0!	0	0	#DIV/0!
	Validate/Name	Running	Running	Running	Running	Running	Running	Running Clock	Running	Running Clock	Ruming	Ruming	Running	Running Gook	Running Gods	Running Clock	Running Clock	Running Clock	Running Clock	Running	Clock				
11	MP:	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Value	#DIV/0!	0	0	#DIV/0!
45	Final Test	Running Clock	Running Clock	Running	Running Clock	Running	Running Clock	Running Clock	Running Clock	Running Clock	Ruming Clock	Ruming Clock	Running Clock	Running Gook	Running Gook	Running Clock	Running Clock	Running Clock	Running Clock	Running	Clock				
12	MP:	Write	Write	Write	Write	Write	Write	Write Value	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Value				
40	Aside to Finished Goods	Running Clock	Running Clock	Running Clock	Running Clock	Running Clock	Running Clock	Running Clock	Ruming Clock	Running Clock	Ruming Clock	Ruming Clock	Running Clock	Running Gods	Running Gods	Running Clock	Running Clock	Runting Clock	Running Clock	Running Clock	Clock				
13	MP:	Write	Write	Write	Write	Write	Write	Write Value	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write Value	#DIV/0!	0	0	#DIV/0!
	CYCLE TIME	*********			######						######		######	######		*******	*******	*******			######	#VALUE!		#VALUE!	
	OPERATING NO WAITING TIME																					$\rightarrow \leftarrow$	#VALUE!	\rightarrow	1 I
OBSERVATIONS																									

Data for cycle time diagram: 1- mean cycle time with waiting; 2- min. time for 20 cycles without waiting; 3- max. for 20 cycles with waiting

Variance (%): V = ((M-m)/m) x 100

Measurement of cycle time sheet.

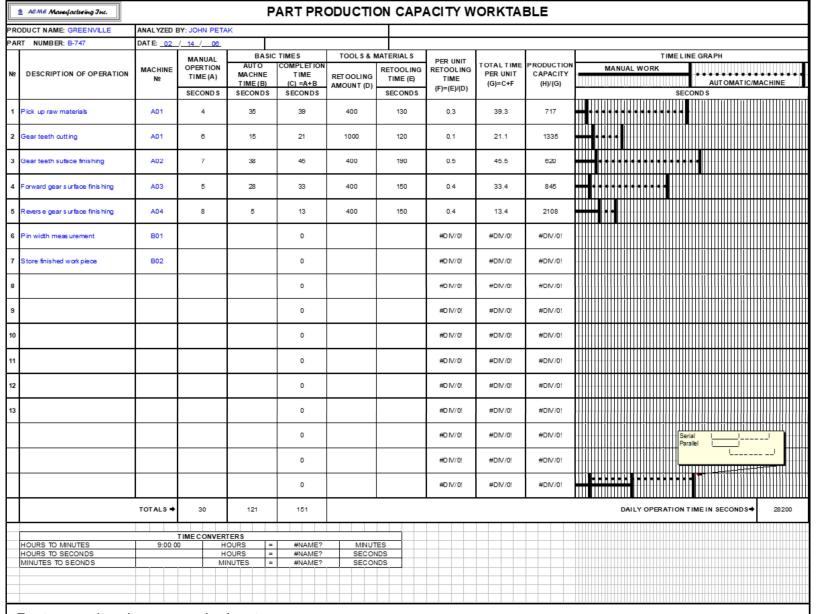
MP: measuring point



Cycle time diagram.

2 Aeme Manufacturing Inc.		TRA	TRACKING OF STANDARDIZED WORK							
PLANT: GREENVILLE		SHIFT: 1ST	DEPT \$1	HIFT MA	ANAGR: JOHN PETAK	NUMBER OF OPERATORS ON LINE: 4				
PRODUCT LINE: PAPER AIRPLANE		DATE: 02 / 14 / 06	CREW T	EAM LF	EADER: JOHN WAYNE					
OPERATION №	DESCRIPTION	OPERATOR/S NAME	JUDGE	EMENT	COMMENT S	CORRECTIVE ACTION/IMPROVEMENT IDEA S				
Of Electrical I.E.	DECOM TION	OI EIGH ON O HAME	YES	NO	oommen o	OURIEST TE ASTRONOMI NOVEMENT TEETS				
1	TAKE PAPER	John Doe			Licking fingers to pick up paper - possible contamination of product	Ask for maintenance help to install postage stamp finger moister sponge				
2	FOLD ON 11" AXIS	Jane Doe	~							
3	FOLD RIGHT HAND SIDE COCKPIT	T John Doe	~							
4	FOLD LEFT HAND SIDE COCKPIT	John Doe		~	Not being properly folded in to center line	Install hold jig and re-write work instructions and re-train operator				
5	FOLD RIGHT/LEFT HAND SIDE COCKPIT TOGETHER	John Doe	~							
6	FOLD RIGHT WING	Jane Doe	~							
7	FOLD LEFT WING	John Doe	~							
8	QUALITY CHECK POINT FUSAGE	John Doe	~							
9	QUALITY CHECK POINT WING SPAN	John Doe		/	Checking taking too long	Conduct 5 Whys analysis				
10	WRITE NAME REAR RIGHT HAND FUSAGE	John Doe	~							
11 WRITE NAME REAR LEFT HA FUSAGE		John Doe	~							
12	CONDUCT TEST FLIGHT	John Doe	~							
13	PACK-OUT TO FINISHED GOODS STAGING AREA	John Doe		/	Finished goods not being picked up to maintain pitch	Conduct 5 Whys analysis with material handling group				

Tracking of standard work audit sheet.



Part capacity planner work sheet.

a.	Page 1 of 1 Page 1 of 1 OR-GR-FT2-IR 000 00 Name of Standard Work Joh Breakdown Here - Distert 0000/00								
	OP-GR-FT2-JB 000.00 Name of Standard Work Job Breakdown Here - Dated 00/00/00 STANDARD WORK JOB BREAKDOWN PROCEDURE								
	(CONCISE DESCRIPTION OF STANDARD WORK JOB)								
МΑ	CHINE: N/A OR USER D	EFINABLE	PROCESS: N/A OR USER	RDEFINABLE					
CHA	ANGE FROM: N/A OR US	ER DEFINABLE	CHANGE TO: N/A OR US	SER DEFINABLE					
CHA	ANGEOVER TIME: N/A OF	R USER DEFINABLE	FREQUENCY: N/A OR US	SER DEFINABLE					
	! A ONLY PERSON	S TRAINED HOW TO DO T	HESE TASKS ARE TO CARRY OUT TASKS ▲!						
_	MATERIAL S/TOOL S/PPEs	-		PES REQUIRED FOR TASK \$					
ΤО			MATERIALS: N/A OR LIST MATERIALS NEEDED TOOLS: N/A OR LISTTOOLS NEEDED PPEs: ▲ FOLLOW ALL APPLICABLE JSAS ▲ FOLLOW ALL APPLICABLE 'LOTO' AND MSDS						
PUI	RPOSE: N/A OR USER DE	FINABLE OR EXPLAIN WHY	THE STANDARD IS IN EXIS	STENCE					
	■ SERIAL WORK IN:			ORK INSTRUCTIONS 🕮 🛡					
A	= SAFETY POINT 🔷 = QU	ALITY POINT GAS = PPEs		QUIRED ① = CRITICAL NOTE					
Nº	MAJOR STEP	KEY POINT	REASON FOR KEY POINT	PHOTOGRAPHIC DE SCRIPTION					
1	USE ARIEL SIZE 8 BOLD CAPITALS FOR READABILITY & CHARACTER SPACING.			IF NECES SARY IN SERT A DESCRIPTIVE PHOTOGRAPH OF THE ACTION HERE TO GIVE VISUAL UNDER STANDING					
2	MAJOR STEPS (TASKS) NEEDED TO BE AN ELEMENT OF WORK SUFFICIENT TO ADVANCE JOB.	A SAFETY POINT: INJURY AVOIDANCE. QUALITY POINT: DEFECT AVOIDANCE. Q) CRITICAL NOTE: ADVANCED DETAIL	SUPPORTING REASONS WHY YOU WANT TO DO IT THAT WAY						
3	E.G. START CAR ENGINE	A ENSURE THE CAR IS IN PARK OR NEUTRAL AND THE PARKING BRAKE IS ON AND FOOT BRAKE IS APPLIED	PREVENT THE CAR DRIVING FORWARD	ļ					
4	▲ ABC	◆ ABC	① ABC						
5	☆ ABC	9ar ABC							
6									
7									
9									
12									
13									
14									
15									
16									
17									
18									
19									
20									
	TASK COMPLETE								
$ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$	OP-GR-FT2-JB 000.00 Form Standard Work Job Breakdown Template - Dated 01/01/2008								

This is a MS Word template of my own design for a work content instruction for standard work job breakdown.

STANDARD WORK JOB BREAKDOWN PROCEDURE (LINE START UP FROM EXTRUDER TO OVEN)										
MΑ	CHINE: LINES 6, 7, 8 & 9		PROCESS: CORRECT START UP							
CH	ANGE FROM: N/A		CHANGE TO: N/A							
CH	ANGEOVER TIME: N/A		FREQUENCY: EACH TIN	IE OF START UP						
	! ▲ ONLY PERSONS TRAINED HOW TO DO THESE TASKS ARE TO CARRY OUT TASKS ▲ !									
		■ MATERIAL S/TOOL S/PI	PES REQUIRED FOR TASK	+						
	TERIALS: SMALL BUCKET									
	MEASURE, HOE, 8'	PLATFORM STEP LADDER		10-122A), AT LEASE A 12' TAPE						
				ROCEDURES, HOT ZONE PPES						
		PER START UP OF LINE TH								
A	= SAFETY POINT • = Q	UALITY POINT 🔐 🕰 = PPE		REQUIRED @ = CRITICAL NOTE						
Nº	MAJOR STEP	KEY POINT	REASON FOR KEY POINT	PHOTOGRAPHIC DESCRIPTION						
	LITIES ARE CORRECT (UIPMENT YOU WILL NEED	POWER, WATER & AIR), IN PLACE.	YOU START MAKE SURE YOU HAVE THE CORRE	CT PPEs, YOU HAVE ALL TH						
1	MOVE ROLL STAND OUT AWAY FROM DIE.									
2	CLOSE DRAW AND CHROME ROLL'S ONCE THE SHEET IS THREADED	▲ WATCH OUT FOR OTHER PERSONNEL AROUND AREA. MAKE SURE HANDS AND BODY PARTS ARE OUT OF THE WAY BEFORE CLOSING CHROME ROLLS.	▲ PINCH AND CRUSH POINTS							
3	PUT WINDER IN GEAR			G						

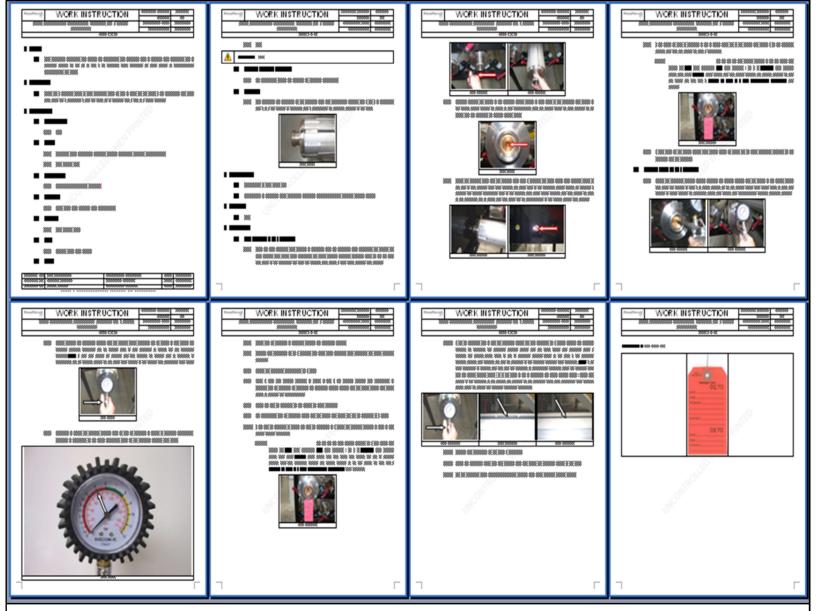
Standard work of starting up a process correctly and safely.

STANDARD WORK TOOL CHANGEOVER PREPARATION CHECKLIST						
MA	CHNE DC-DD-02	PROCESS: DC-DD-02				
СН	ANGE FROM: DC-1280-R/H	CHANGE TO: DC-1281-L/H				
	! ? ONLY PERSONS TRAINED HOW TO DO T	HESE TASKS ARE TO CARRY OUT TASKS?!				
*	TOOLS/MATERIALS/PPEs REQUIRED:	% TOOLS/MATERIAL S/PPEs REQUIRED:				
то	ous:	TOOLS:				
MA	TERAILS:	MATERAILS:				
	SS: (1)FOLLOWALL APPLICABLE JSAS (1)FOLLOWALL TO PROCEDURES	PPEs: (1) FOLLOWALL APPLICABLE JSAs (1) FOLLOWALL LOTO PROCEDURES				
Nº	CHECKLI ST FOR MAINTENANCE TECH ■	♣ CHECKLIST FOR MACHINE OPERATOR ◆				
1	ENSURE FORKLIFT TRUCK IS AVAILABLE AND HAS ENOUGH PROPANE GAS FOR THE TOOL CHANGE	INFORM (ANDON) MAINTENANCE DEPARTMENT OF TOOL CHANGE AT LEAST 30 MINUTES PRIOR TO LAST CURRENT PART TYPE				
2	ASSEMBLE SLING, SPECIAL TOOLS AND PPES FOR TOOL CHANGE	ASSEMBLE AND LOAD INTO SHUTTLE MAGAZINE REPLENISHMENT OR NEW PART TYPE AND/OR SIZE OF HEAVY LAYER				
3	PRE-SET FORK LIFT TRUCK FORKS TO A DISTANCE OF 36" APART	ASSEMBLE AND STAGE CHANGE OF CARPET OR CARPET COLOR ROLL TO MACHINE FEED ROLLER				
4	CHECK IN-GOING TOOL FOR UP-TO-DATE REPAIRS HAVE BEEN CARRIED OUT	ENSURE THAT THERE ARE NO WIP RACKS BLOCKING ACCESS TO TOOL STORAGE RACKS FOR IN-GOING TOOL				
5	ENSURE THE IN-GOING TOOL IN ON PRE-HEAT AND WILL BEAT 270° FAT TIME	ENSURE THAT PLC RECEIPE IS AVAILABLE IS OF THE CORRECT TYPE TO THE PART NUMBER TOOL AND IS THE MOST UP-TO-DATE VERSION				
6	DOUBLE CHECK OPERATIONS WORK ORDER FOR CORRECT PART NUMBER TO IN-GOING TOOL	CARRY OUT ALL OURRENT RUN CLERICAL OPERATIONS INTO SAP				
7	POSITION TOOL CHANGEOVER CART NEXT TO PRESS FOR OUT-GOING TOOL	ASSEMBLE NEW PART TYPE WIP RACKS				
8	POSITION TOOL CHANGEOVER CART NEXT TO PRE-HEAT STATION FOR IN-GOING TOOL	ENSURE THAT ALL HAND/POWER TOOLS REQUIRED FOR TOOL CHANGE ARE AVAILABLE ON TOOL CHANGEOVER PEG BOARD				
9	ENSURE THAT QUICK CHANGE ELECTRIC MOVER HAS A FULL CHARGE ON ITS BATTERY	PULL TWO SKIDS OF 582s CARDBOARD BOXES				
10	ENSURE THAT ALL HAND/POWER TOOLS REQUIRED FOR TOOL CHANGEOVER ARE AVAILABLE ON TOOL CHANGEOVER PEGBOARD					

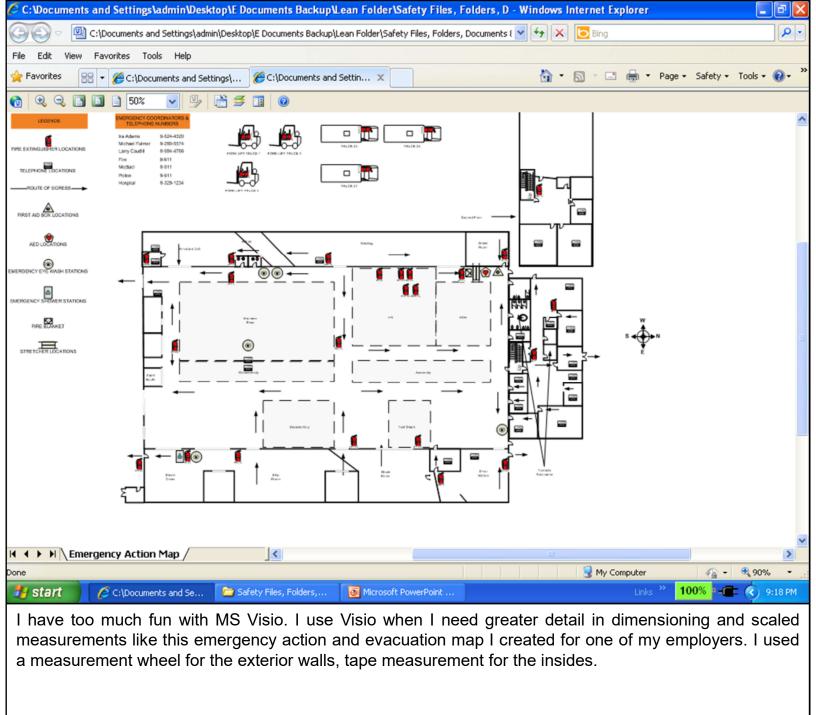
SMED preparation checklist sheet.

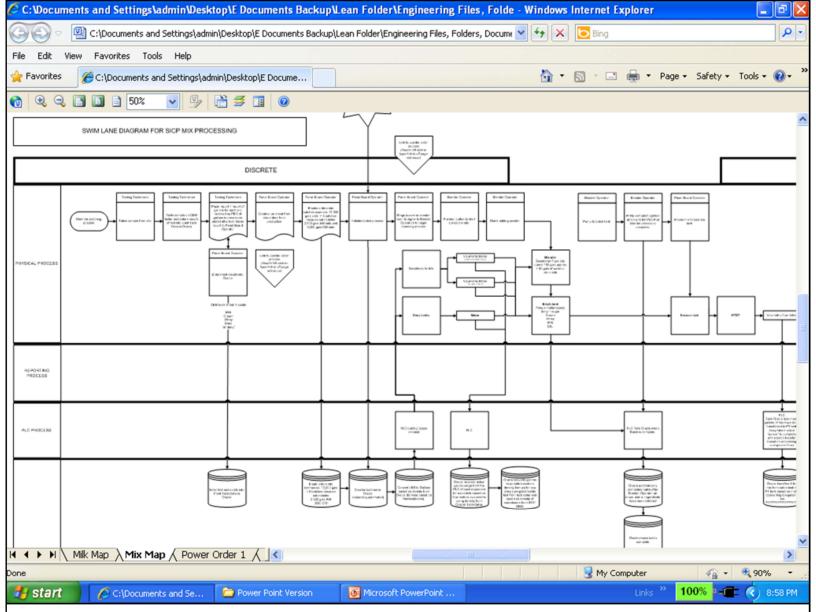
STANDARD WORK TOOL CHANGEOVER PROCEDURE							
MACHINE: ALL LITTLE DAVID TAPPERS	PROCE SS: BOX TAPE SEALER						
CHANGE FROM: PREVIOUS BOX SIZE	CHANGE TO: DESIRED BOX SIZE						
CHANGEOVER TIME: 5 MINUTES							
! ▲ ONLY PERSONS TRAINED HOW TO DO TH	IESE TASKS ARE TO CARRY OUT TASKS ▲!						
★ TOOLS/MATERAIALS/PPEs REQUIRED:	★ TOOLS/MATERIALS/PPEs REQUIRED:						
TOOLS: NO TOOLS REQUIRED FOR THIS SET-UP	TOOLS: NO TOOLS REQUIRED FOR THIS SET-UP						
MATERIALS: NONE NEEDED	MATERIALS: SAMPLE BOX OF PROPER DIMENSIONS IS REQUIRED FOR SET-UP						
PPES: NONE NEEDED ① FOLLOW ALL APPICABLE JSAS ③ AVOID CONTACT WITH SERRATED KNIFE WHEN HANDLING TAPE HEAD.	PPEs: NONE NEEDED (3) FOLLOW ALL APPICABLE JSAS (3) AVOID CONTACT WITH SERRATED KNIFE WHEN HANDLINGTAPE HEAD.						
No SERIAL WORK INSTRUCTIONS (☐ ■	■ PARALLEL WORK INSTRUCTIONS !!! ■						
UNLOCK SIDE GUIDE RAILS BY TURNING LOCKING KNOB COUNTER CLOCKWISE PIC 1	BUILD PROPER SIZE SAMPLE BOX TO BE USED DURING SET-UP, FOLD ALL FLAPS TOP AND BOTTOM CLOSED						
MANUALLY MOVE SIDE GUIDE RAILS TO A POSITION WIDER THAN THE SAMPLE BOX AND LEAVE RAILS UNLOCKED.							
LOOSEN TAPE HEAD LOCK BY TURNING HANDWHEEL COUNTER CLOCKWISE. 205							
MOVE TAPE HEAD TO A POSITION HIGHER THAN SAMPLE BOX HEIGHT. (WITH HEAD UNLOCKED; WIGGLE TAPE HEAD SIDE TO SIDE WHILE							

SMED tool changeover procedure standard work document.



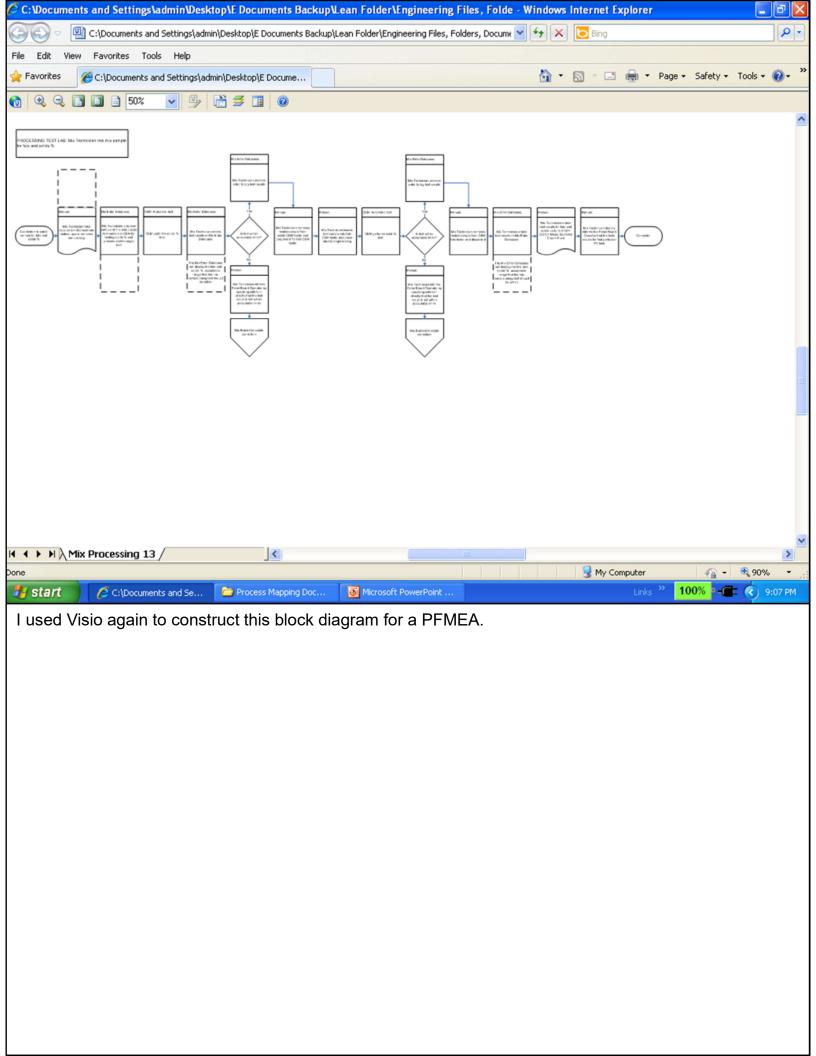
In the name of continuous improvement I created in MS Word this work instruction using the 'outline' format method calling out and detailing the work instruction's scope, purpose, definitions, references, related forms, documentation, forms, frequency, Materials, tools, responsibility, safety, personal protective equipment, guidelines, record keeping, attachments, appendix and finally the procedures of the tasks in the work instruction.

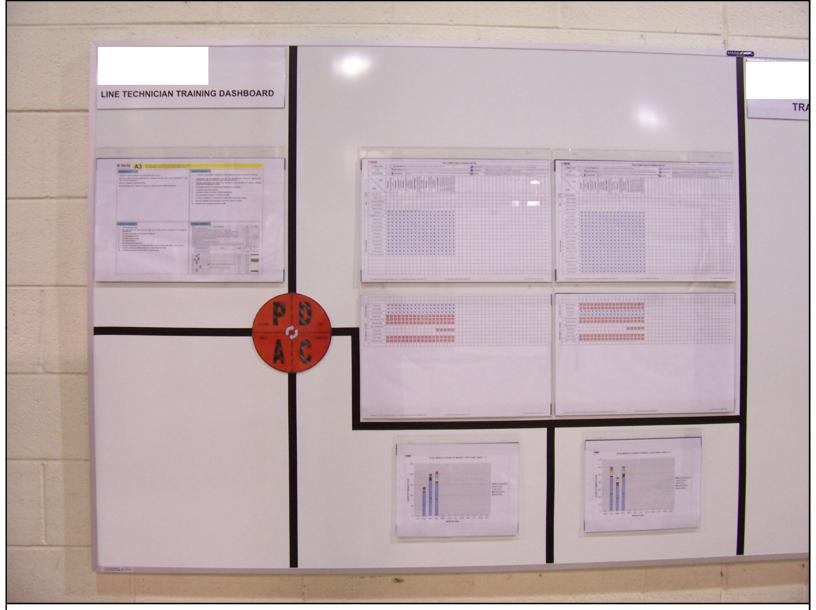




Again with Visio there's a lot more flexibility and functionality than what you have available to you when working on certain projects. To understand a process's interconnectivity with other resources, man, machine, computerization, what's automatic, what's done manually it's a good idea map it out using swimming lanes. Its visual communication helps to understand how everything pieces together and sometimes needlessly complicated.

I printed this swimming lanes map out on an engineering plotter 3 feet wide by 12 feet long and pinned it up on the wall, something that big stirs a lot of interest in the group viewing it.





This picture is of a 10' feet long by 5' feet wide magnetic whiteboard. They maybe a little on the expensive side but they are versatile. I used this board time and time again for different projects. This project was for training improvement of line operators.

All the notices, labels, documents holders and headers - which I made - are affixed to the board using magnetic tape so, changing to different projects and using the board as a notice board, storyboard or dashboard was a snap to do. The only thing that was not magnetic was the boarder line which I used black electrical insulation tape which was easy to apply and remove.