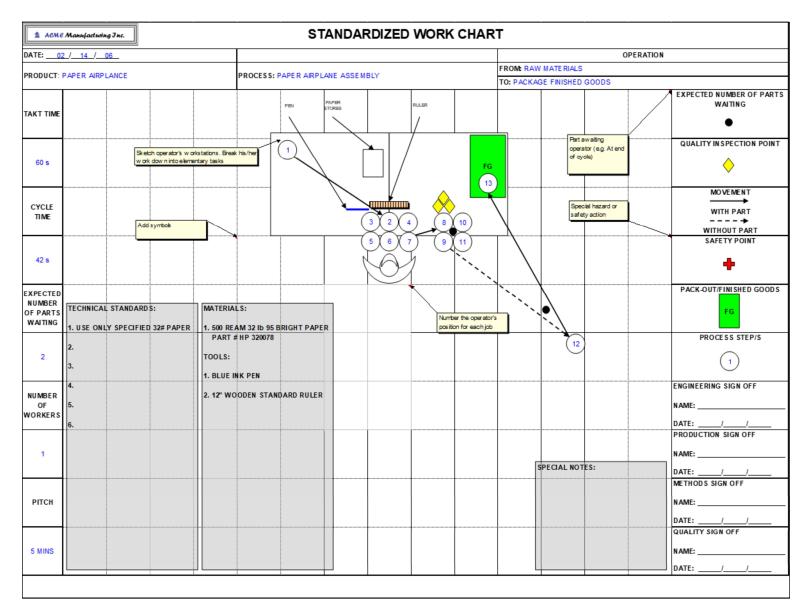


On a scale of 0 to 10 I would put myself at an 8.5 for my knowledge of MS Word, Excel, PowerPoint and Project in using them to create standard work templates, documents and reports.

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.

	2 ACME Manufacturing Inc.				STA	ANDARD (OPERATION 1	N SHE	ET												
PL	ANT: GREENVILLE, SC	DOCUM	DOCUMENT NO.: F-K-G-001-002 DOCUMENT REVISON LEVEL: 003 CYCLE TIME: 42 SECONDS									Р	AGE	NO.							
PA	RT NAME: PAPER AIRPLANCE	PART NO. B-747					LINE: 14-B ASSEME		WORK STATION: FINAL ASSEMBY						1	OF	1				
Nº	OPERATION	ıs		•	+	= SAFETY POINT	= QUALITYP	OINT (= HELP	FUL TIP	PICT	URE S/F	ното	S/DIA	AGRAMS	/PICTO	GRAM	s/visu	AL W	/ORK	AIDS
1	TAKE A PIECE OF 8 1/2" X 11" PAPER FRO	M STORES PIL	E	+	WEAR	REQUIRED PPES	TOPREVENT PAPE	R <u>OUTS</u>				1									
2	FOLD PAPER IN HALF ON THE 11" AXIS AT	ID CREASE	Safety point to be us a potential hazard		Qual	ity self check point														750	
3	FOLD IN RIGHT HAND SIDE COCKPIT AND	CREASE	for employees				Important comments of be written in bold or underlined	an				7			-						
4	FOLD IN LEFT HAND SIDE COCKPIT AND C	REASE					underined					5						(2)			
5	FOLD TOGETHER RIGHT/LEFT HAND COC CENTER	OPIT AND CREA	SE DOWN		large	upper case and as e as possible fonts to voperator to read	_														
6	FOLD DOWN RIGHT HAND SIDE WING AND	OREASE				n workstation									3						
7	FOLD DOWN LEFT HAND SIDE WING AND	CREASE													ı,	4					
8	(QC) CHECK LENGTH OF FUSAGE (11" +/-	1/8")		\Diamond	SEE SI	PECIFICATION SHI	EET LINE SIDE						1 1 2	,	4 5	TSTCOTT	8 9	2	. Ca		
9	(QC) CHECK WIDTH OF WING SPAN (4 1/4	' +/- 1/8")		\Diamond	SEE SI	PECIFICATION SHI	EET LINE SIDE														
10	WRITE YOUR NAME ON THE REAR OF RIG	HT HAND SIDE	OF THE FUSAGI	E								PAPER					1 1		1 1		
11	WRITE YOUR NAME ON THE REAR OF LE	FT HAND SIDE (OF THE FUSAGE								" 3. F	EN OLDIN	G PRO	CESS	8						
12	CONDUCT TEST FLIGHT OF AIRPLANCE										4. F	RULER									
13	RETRIEVE AIRPLANE AND PLACE IN PACI STAGING	K-OUT FINISHED	GOODS	\otimes	POSITION BACK	ON TAIL RUDDER TO YOU AND SAV	10 DEGREES LEFT / E YOU SOME WALK	AND THE I	PLANE WILL	FLY									-		
																			-		
Г				Τ																	
Г				\top																	
\vdash				┿	-			Operator v	ho helped in		┨				Reaction	olen in the			ļ		
								setting up t	the standard		l			-	event of a	non-	ŀ				
				Τ				operation							conformin	g conditio	n [
_				╀	-						ł						—	-	ļļ		
	1									_		+	#				+	\rightarrow	7	=	
ISS	SUED - NAME/SIGN/DATE/FUNCTION	CHECKED - NAN	1E/SIGN/DATE/F	UNCT	NOD	APPROVED - NA	ME/SIGN/DATE/FUN	СПОИ	SKILLED O	PERATO	R - NAN	/IE/SIG	V/DATE		NON-C	ONFOR	MING	PART I	(EAC	TION	PLAN
NA	ME: FRED WEBBERKING	NAME:				NAME:			NAME:						• PLAC	E DEFE	CTINI	RED S	TRAP	BIN	
SIG	GN: Fred Webberling	SIGN:				SIGN: SIGN:											NPR0	ŒSSI	MON	TOR	
DA	TE: <u>02 / 14 / 06</u>	DATE:/_				DATE:/_			DATE:	<u> </u>					• IF 3 IN			SAME	DEFE	CT (ШK
FUI	NCTION: PROCESS ENGINEER	FUNCTION:				FUNCTION: FUNCTION:						SUPERVISOR									

Standard operations sheet.

R	ODUCT: PAPER AIRPLANE				WORK	STATIC	ON: FOL	DING					LAYOU	T:											
R	OCESS: FINAL ASSEMBLY				ANALY	ZED BY	: JOHN I	DOE														1			
Α	TE: <u>02 / 14 / 06</u>				TIME:	11:30 AI	M																		
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	Running	Ruming Clock	Running	Running	Running	Ruming Clock	Ruming Clock	Ruming Clock	Running Clock	Running Clock	Running Gods	Running	Running Clock	Running	Ruming Clock	Running	Ruming 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	Running	Running	Running	Running	Running	Running	Ruming	Running	Ruming	Ruming	Running Clock	Running Gods	Running	Running Clock	Running Clock	Running	Ruming Clock	Running 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	Ruming Clock	Running Clock	Ruming Clock	Ruming Clock	Running	Running	Running	Running Clock	Ruming Clock	Ruming Clock	Ruming Clock	Running Clock	Running Clock	Running Gods	Running Clock	Running Clock	Running Clock	Ruming Clock	Running Clock	Clock				
3	MP:	Write	Write	Write	Write	Write	Write Value	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write Value	Write	Write	Write	Value	#DIV/0!	0	0	#DIV/0
	Rotate Fold # 3	Running	Running	Ruming Clock	Running	Ruming	Running	Running	Running	Runing	Ruming	Ruming	Running	Running Gods	Running	Running	Running Clock	Running	Running	Running Clock	Clock				
4	MP:	Write	Write	Write	Write	Write	Write	Writ e Value	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write Value	#DIV/0!	0	0	#DIV/0
_	Fold#4	Ruming Clock	Running Clock	Ruming Clock	Running	Running	Running	Running	Ruming	Ruming	Ruming	Ruming Clock	Running	Running Gods	Running	Ruming Clock	Running	Ruming Clock	Ruming Clock	Running	Ruming Clock		-		
5	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
_	Flip and Fold # 5	Running	Running Clock	Ruming	Running	Ruming	Running	Running	Ruming	Ruming	Ruming	Ruming Clock	Running	Running Gods	Running	Running Clock	Running	Ruming Clock	Running Clock	Running	Clock		-	-	
6	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
-	Flip and Fold # 6	Running	Running	Ruming	Running	Running	Running	Running	Running	Runing	Ruming	Ruming	Running	Running Gods	Running	Ruming Clock	Running	Running	Running Clock	Running Clock	Clock	#51110.		Ť	<i></i>
7	MP:	Write	Write	Write	Write	Write Value	Write Value	Write Value	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Value	#DIV/0!	0	0	#DIV/0
_	Measurement 2 Points	Running	Running	Running	Running	Running	Running	Running	Ruming	Ruming	Ruming	Ruming	Running	Running	Running	Running	Running	Running	Running	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	Running Clock	Ruming	Running	Running	Running	Running	Ruming	Ruming	Ruming	Ruming	Running	Running	Running	Ruming Clock	Running	Running	Running Clock	Ruming	Ruming Clock	#51110.	Ů	Ť	<i>MB</i> 1410
9	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
	Validate/Name	Running	Running	Runing	Ruming	Running	Running	Running	Ruming	Ruming	Ruming	Ruming	Running	Running	Running	Running	Running	Running	Running	Ruming	Ruming Clock	#51110.		Ť	<i></i>
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	Ruming	Running	Running	Running	Running	Running	Ruming	Ruming	Ruming	Running	Running	Running	Running	Running	Runing	Running	Ruming	Clock				
11	MP:	Write	Write	Write	Write	Write	Write Value	Writ e Value	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Value	#DIV/0!	0	0	#DIV/0
	Final Test	Running Clock	Running	Ruming Clock	Running Clock	Running	Running	Running	Running Clock	Running Clock	Ruming	Ruming	Running Clock	Running Gods	Running	Running Clock	Running Clock	Runing	Running Cinck	Running Clock	Clock		Ť	Ť	
12	MP:	Write	Write	Write	Write	Write	Write Value	Write Value	Write	Write Value	Write	Write	Write	Write	Write	Write	Write	Write	Write	Write	Value				
	Aside to Finished Goods	Running Clock	Ruming Clock	Ruming Clock	Ruming Clock	Runing	Running	Running	Runing	Ruming	Ruming	Ruming	Running	Running Gods	Running Gods	Running Clock	Running Clock	Ruming Clock	Ruming Clock	Running Clock	Clock				
13	MP:	Write	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
_	CYCLE TIME	######	######	######	######				70.00	######	######	######	######		######	######	######	######	######	******	######	#VALUE!		#VALUE!	
	OPERATING NO WAITING TIME	1		-																		\rightarrow	#VALUE!		
_												OBSER	VATION	IS								_ <		~ ~	
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Measurement of cycle time sheet.

ACME Manufacturing Inc.	CYCLE TIME DIAGRAM	
	PAPER AIRPLANE INC GREENVILLE, SC JUNE 28, 2006	
CURRENT STATE	FUTURE STATE	NEXT OBJECTIVE
100 95 90 90 90 90 90 90 90 90 90 90 90 90 90	200 200 200 200 200 200 200 200 200 200	500 450 400 350 300 250 200 150 100 60 0
DATE: 02 / 14 / 06	DATE: 02 / 14 / 06	DATE: 02 / 14 / 06
STATION 1 2 3 4 5 6 7 8 9 10 11 12 TOTAL MIN 1 3 2 2 2 8 3 3 1 1 1 35 MEAN 1.5 4 3 4 4 9 9.5 3.5 3.5 1.5 1.5 1.5 46.5 MAX 2 5 4 6 6 10 11 4 4 2 2 2 58	STATION 1 2 3 4 5 6 7 8 9 10 11 12 TOTAL MIN 200 212 188 220 186 180	STATION 1 2 3 4 5 6 7 8 9 10 11 12 TOTAL MIN
OBSERVATIONS	OBSERVATIONS	OBSERVATIONS
# 1 Paper stores needs to be closer to point of use on table	#1 Rebar (See PDCA worksheets)	#1 Rebar (See PDCA worksheets)
# 2 Steps 2 and 3 can be incorporated with each other	#2 Manual Bender	#2 Manual Bender
# 3 Work station 1 can be moved closer to work station 2	#3 Welding	#3 Welding
# 12 Walking wast can be reduced by returning the fight path	# 4 Stud Welding	# 4 Stud Welding
	#5 Saw	#5 Saw
NUMBER OF BARTS/REDSON/HOUR, SO BARTS 4 REDSON RED HOUR	# 6 KRB (Automatic Bender)	# 6 KRB (Automatic Bender)
NUMBER OF PARTS/PERSON/HOUR: 60 PARTS 1 PERSON PER HOUR REAL TIME/MINIMUN TIME RATIO → 1,71	NUMBER OF PARTS/PERSON/HOUR: REAL TIME/MINIMUN TIME RATIO ◆ 0.16	NUMBER OF PARTS/PER SON/HOUR: REAL TIME/MINIMUN TIME RATIO ★ #D[V/0]
CT	CT 167 167 167 167 167 167 167 167 167 168 186 186 186 186 186 186 186 186 186	CT 167 167 167 167 167 167 167 167 167 167

Cycle time diagram.

2 Aeme Manufa	activing I nc.	TR	ACKIN	G O	F STANDARDIZED WORK		
PLANT: GREENVILL	E	SHIFT: 1ST	DEPT S	HIFT MA	NUMBER OF OPERATORS ON LINE: 4		
PRODUCT LINE: PA	PER AIRPLANE	DATE: 02 / 14 / 06	CREW 1	EAM LE	ADER: JOHN WAYNE		
OPERATION №	DESCRIPTION	OPERATOR/S NAME	JUDGE	MENT	COMMENT S	CORRECTIVE ACTION/IMPROVEMENT IDEA S	
1	TAKE PAPER	John Doe	TES	NO MO	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	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 HAND 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.

2	ACME Manufacturing Inc.			P	ART PR	ODUCTIO	ON CAP	ACITY W	ORKTAI	BLE	
RO	DUCT NAME: GREENVILLE	ANALYZED E	Y: JOHN PETA	K							
AR	T NUMBER: B-747	DATE: _02	/14/08_								
Т			MANUAL		TIMES		MATERIAL S	PER UNIT			TIME LINE GRAPH
lo	DESCRIPTION OF OPERATION	MACHINE	OPERTION TIME (A)	AUT O MA CHNE	COMPLETION TIME	RETOOLING	RETOOLING	RETOOLING	TOTAL TIME PER UNIT	PRODUCTION CAPACITY	MANUAL WORK
١		Nº		TIME (B)	(C) =A+B	AMOUNT (D)	TIME (E)	TIME (F)=(E)/(D)	(G)=C+F	(H)/(G)	AUT OMATIC/MACHINE
4			SECOND S	SECONDS	SECONDS		SECONDS	(-7 (-7(-7			SECOND S
1	Pick up raw materials	A01	4	35	39	400	130	0.3	39.3	717	──
2	Gear teeth cutting	A01	6	15	21	1000	120	0.1	21.1	1335	
3	Gear teeth suface finishing	A02	7	38	45	400	190	0.5	45.5	620	
4	Forward gear surface finishing	A03	5	28	33	400	150	0.4	33.4	845	
5	Revers e gear surface finishing	A04	8	5	13	400	150	0.4	13.4	2108	
6	Pin width measurement	B01			0			#D IV/0!	#DIV/0!	#DIV/0!	
7	Store finished work piece	B02			0			#D IV/0!	#DIV/0!	#DIV/0!	
В					0			#D IV/0!	#DIV/0!	#DIV/0!	
9					0			#D IV/0!	#DIV/0!	#DIV/0!	
0					0			#D IV/0!	#DIV/0!	#DIV/0!	
1					0			#D IV/0!	#DIV/0!	#DIV/0!	
2					0			#D IV/0!	#DIV/0!	#DIV/0!	
3					0			#D IV/0!	#DIV/0!	#DIV/0!	
					0			#D IV/0!	#DIV/0!	#DIV/0!	
					0			#D IV/0!	#DIV/0!	#DIV/0!	''
\rfloor					0			#D IV/0!	#DIV/0!	#DIV/0!	111 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
		TOTALS →	30	121	151						DAILY OPERATION TIME IN SECONDS→ 28200
1		-	TIME CONVER	TERS							
	HOURS TO MINUTES	9:00:00) н	OURS =		MINUT					
	HOURS TO SECONDS MINUTES TO SEONDS			OURS = NUTES =		SECO! SECO!					

Part capacity planner work sheet.

Т_							
4	ACAMS Manufacturing Jac.	Page R-FT2-JB 000.00 Name of Standard N	1 of 1 Work Job Breakdown Here - Dated 00	0/00/00			
			EAKDOWN PROCI				
			F STANDARD WO				
M	ACHINE: N/A OR USER D	EFINABLE	PROCESS: N/A OR USER DEFINABLE				
CH	HANGE FROM: N/A OR USE	ER DEFINABLE	CHANGE TO: N/A OR US	SER DEFINABLE			
СН	IANGEOVER TIME: N/A OF	R USER DEFINABLE	FREQUENCY: N/A OR USER DEFINABLE				
	! A ONLY PERSON	S TRAINED HOW TO DO T	HESE TASKS ARE TO CARR	RY OUT TASKS A!			
- 4	MATERIAL S/TOOLS/PPEs I	REQUIRED FOR TASK .	■ MATERIAL S/TOOL S/P	PES REQUIRED FOR TASK .			
	ATERIALS: N/A OR LIST M/		MATERIALS: N/A OR LIS				
	DOLS: N/A OR LIST TOOLS		TOOLS: N/A OR LIST TO				
PF		APPLICABLE JSAS A ABLE 'LOTO' AND MSDS	ALL APPLICABLE	APPLICABLE JSAs A FOLLOW			
PU	JRPOSE: N/A OR USER DE						
	SERIAL WORK IN	STRUCTIONS 🚇 🛡	₽ # PARALLEL WO	ORK INSTRUCTIONS 🚇 🛡			
A	= SAFETY POINT 🔷 = QUA	ALITY POINT 🔐 🕰 = PPEs	REQUIRED 🛠 = TOOL S RE	QUIRED @ = 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 PHOT OGRAPH 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	—			
4	▲ ABC	◆ ABC					
5	☆ ABC	Ģa∽ ABC					
6							
7							
8							
9							
12							
13 14							
15							
16							
17							
18							
19							
20							
	!	TASK CO	OMPLETE	l			
	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.

		ARD WORK JOB I IE START UP FRO						
MΑ	CHINE: UNES 6, 7, 8 & 9		PROCESS: CORRECT S	START UP				
CH	ANGE FROM: N/A		CHANGE TO: N/A					
CH	ANGEOVER TIME: N/A		FREQUENCY: EACH TIME	IE OF START UP				
	! A ONLY PERSO	ONS TRAINED HOW TO DO	THE SE TASKS ARE TO CA	RRY OUT TASKS A!				
		■ MATERIAL S/TOOL S/P	PES REQUIRED FOR TASK	+				
MA	TERIALS: SMALL BUCKET	OF WATER						
Ш	MEASURE, HOE, 8'F	PLATFORM STEP LADDER		10-122A), AT LEASE A 12' TAPE				
_				ROCEDURES, HOT ZONE PPES				
_		PER START UP OF LINE TH						
_	= SAFETY POINT 💠 = Q	UALITY POINT 😡 🕰 = PPE		REQUIRED ③ = CRITICAL NOTE				
N₂	MAJOR STEP	KEY POINT	REASON FOR KEY POINT	PHOTOGRAPHIC DESCRIPTION				
	LITIES ARE CORRECT (UIPMENT YOU WILL NEED	IN PLACE.	YOU HAVE THE CORRE	CT PPES, YOU HAVE ALL THE				
1	MOVE ROLL STAND OUT AWAY FROM DIE.							
2	CLOSE DRAW AND CHROME ROLLS 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 CHROMEROLLS.	A PINCH AND CRUSH POINTS					
3	PUT WINDER IN GEAR							

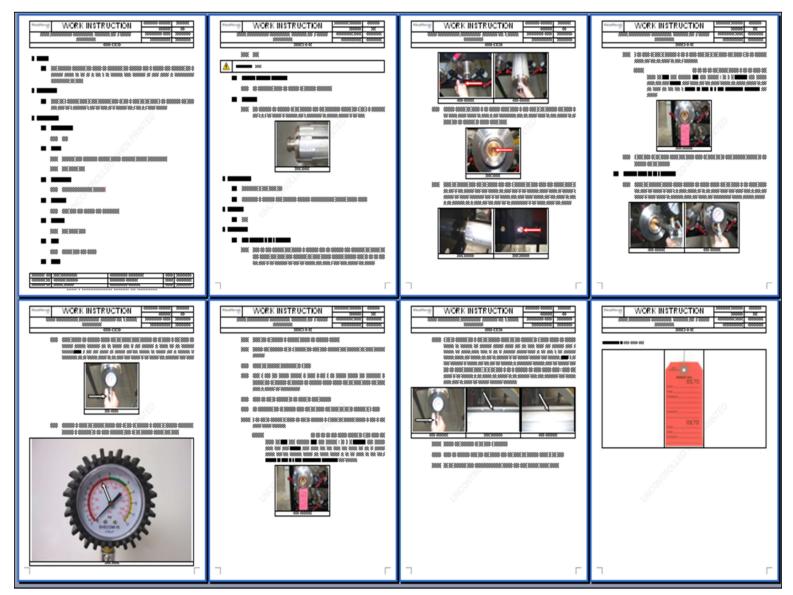
Standard work of starting up a process correctly and safely.

MΑ	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 TO	HESE TASKS ARE TO CARRY OUT TASKS?!
%]	TOOLS/MATERIALS/PPEs REQUIRED:	% TOOLS/MATERIAL S/PPEs REQUIRED:
τα	OLS:	TOOLS:
MΑ	TERAILS:	MATERAILS:
	Ss: ()FOLLOWALL APPLICABLE JSAs ()FOLLOWALL TO PROCEDURES	PPES: (1) FOLLOWALL APPLICABLE JSA'S (1) FOLLOWALL LOTO PROCEDURES
Nº	CHECKLI ST FOR MAINTENANCE TECH ■	
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 CUT	ENSURE THAT THERE ARE NO WP RACKS BLOCKING ACCESS TO TOOL STORAGE RACKS FOR IN-GOING TOOL
5	ENSURE THE IN-GOING TOOL IN ON PREHEAT 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 MOSTUR-TO-DATE VERSION
6	DOUBLE CHECK OPERATIONS WORK ORDER FOR CORRECT PART NUMBER TO IN-GOING TOOL	CARRY OUT ALL OURRENT RUN CLERICAL OPERATIONSINTOSAP
7	POSITION TOOL CHANGEOVER CART NEXT TO PRESS FOROUT-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 HANDPOWER TOOLS REQUIRED FOR TOOL CHANGE ARE AVAILABLE ON TOOL CHANGEOVER PEG BOARD
9	ENSURE THAT QUICK CHANGE ELECTRIC MOVER HASA FULL CHARGE ONITS BATTERY	PULL TWO SKIDS OF 582s CARDBOARD BOXES
10	ENSURE THAT ALL HANDIPOWER TOOLS REQUIRED FOR TOOL CHANGEOVER ARE AVAILABLE ON TOOL CHANGEOVER PEGBOARD	

SMED preparation checklist sheet.

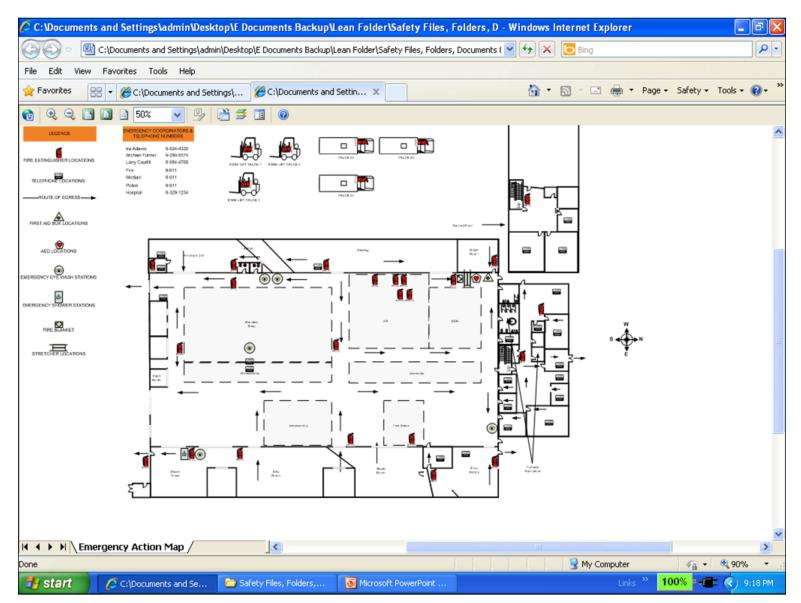
MACHINE: ALL LITTLE DAVID TAPPERS	PROCE SS: BOX TAPE SEALER
CHANGE FROM: PREVIOUS BOX SIZE	CHANGE TO: DESIRED BOX SIZE
CHANGEOVER TIME: 5 MINUTES	
! ▲ ONLY PERSONS TRAINED HOW TO DO TH	HESE TASKS ARE TO CARRY OUT TASKS ▲!
★ TOOLS/MATERAIALS/PPEs REQUIRED:	★ TOOLS/MATERIALS/PPEs REQUIRED:
TOOLS: NO TOOLS 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 (3) FOLLOW ALL APPICABLE JSAS (3) AVOID CONTACT WITH SERRATED KNIFE WHEN HANDLING TAPE HEAD.	
No ■ SERIAL WORK INSTRUCTIONS ##	■ PARALLEL WORK INSTRUCTIONS ■ ■
MANUALLY MOVE SIDE GUIDE RAILS TO A POSITION WIDER THAN THE SAMPLE BOX AND	BUILD PROPER SIZE SAMPLE BOX TO BE USED DURING SET-UP, FOLD ALL FLAPS TOP AND BOTTOM CLOSED
LEAVE RAILS UNLOCKED. LOOSEN TAPE HEAD LOCK BY TURNING HANDWHEEL COUNTER CLOCKMISE. MOVE TAPE HEAD TO A POSITION HIGHER THAN SAMPLE BOX HEIGHT. (WITH HEAD UNLOCKED;	

SMED tool changeover procedure standard work document.

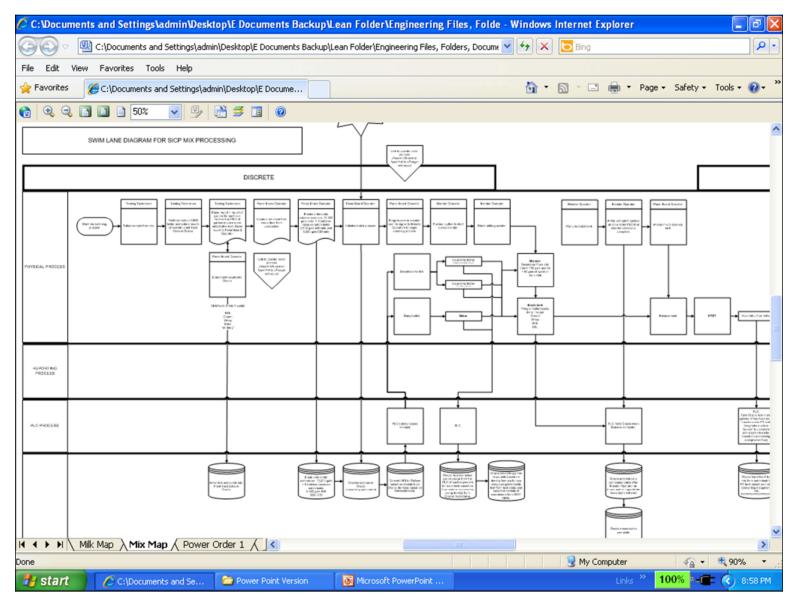


In the name of continuous improvement I created in MS Word this work instruction using the 'outline' format method calling out and detailing the work instruction's scope, purpose, definitions, references, related forms, documentation, forms, frequency, Materials, tools, responsibility, safety, personal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

This is the most comprehensive standard operating procedures document I'm using to date.

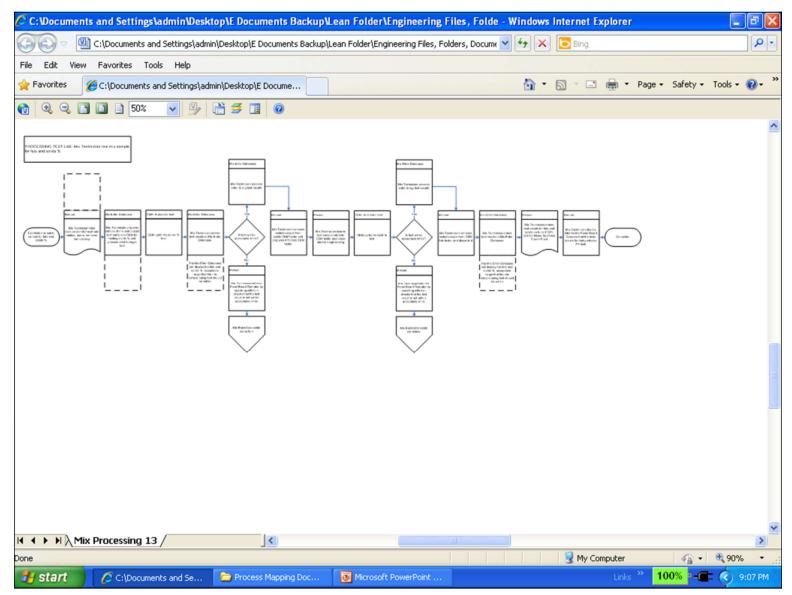


I have too much fun with MS Visio. I use Visio when I need greater detail in dimensioning and scaled measurements like this emergency action and evacuation map I created for one of my employers. I used a measurement wheel for the exterior walls, tape measurement for the insides.



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.



I used Visio again to construct this block diagram for a PFMEA.



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.