Qualification:	MA	ACHINING NC I					
Project:	СА	CAP SCREW AND NUT					
<ul> <li>Instruction:</li> <li>Read each of the questions in the left-hand column of the chart.</li> <li>Place a check in the appropriate box opposite each question to indicate your answers.</li> </ul>							
Can I? YES NO							
Determine job require     operation is require		ts(A written work plan listing the					
Perform Bench Work	rk						
• Sawing, chiseling, f	iling						
o Drilling, tapp	ing, die	thread cutting, reaming					
<ul> <li>Off-hand grir</li> </ul>	nding						
Perform turning ope	eration:						
<ul> <li>Setup workp</li> </ul>	• Setup workpiece						
○ Facing and l	<ul> <li>Facing and longitudinal turning</li> </ul>						
<ul> <li>Cutting groom parting off</li> </ul>	ves, rece	ess, shoulders; knurls and					
o Drilling, borir	ng, coun	nterboring and countersinking					
<ul> <li>Thread cuttir</li> </ul>	ng V-thre	eads: internal and external					
<ul> <li>Cutting externation tool</li> </ul>	rnal tape	er: comp[ound table or formed					
Perform milling ope	Perform milling operation						
<ul> <li>Drilling and b</li> </ul>	<ul> <li>Drilling and boring</li> </ul>						
Spot facing							
○ Milling slots	and key	ways					
<ul> <li>Milling serrat</li> </ul>	<ul> <li>Milling serrations</li> </ul>						

	0	Miling of vees			
	0	Cutting off materials			
	0	Milling circular slots			
•	Perfo				
	0	Select grinding wheels and accessories			
	0	<ul> <li>Grinding parallel and square surfaces</li> </ul>			
	0	Grinding to an angle surface			
	0	Grinding to radii			
	0	Grinding to cut off parts			
•	Meas	ures dimensions			
•	Check surface texture				
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.					
Candidate's Name: Date:					

Qualification:		MACHINING NC I				
Certificate	e of Competency 1:	PERFORM BENCH WORK (BASIC)				
• PI	ead each of the ques	tions in the left-hand column of the ch ppropriate box opposite each question		te your		
Can I?			YES	NO		
	termine job requirem eration is required)	ent (A written work plan listing the				
0	Determine the m	aterial to be used				
0	List down the sec	quence of operation				
0	List the tools to b	be used				
• Se	Set up workpiece, machine, and tools					
0	Clamp workpiece	e in bench vise				
• Pe	Perform bench work operation					
0	Lay out and mar	ks features on workpiece				
0	Cut flat, rectangu	ılar workpiece				
0	Chip flat, rectang	jular workpiece				
0	File flat, rectangu	ılar workpiece				
0	Drill, countersink	, counterbore, and spotface hole				
0	Ream holes					
0	Lap holes					
0	Cut threads using	g tap				
0	Cut thread using	stock and die				
0	Grind off-hand w	orkpiece				

	0	Grind off-hand twist drill			
•	Obse	rve safety procedures			
	0	For personal safety			
	0	For safety of tools and equipment			
	0	For safety of others			
•	Check / Measure workpiece				
	<ul> <li>Dimension using steel rule and vernier caliper</li> </ul>				
	<ul> <li>Surface texture using comparators</li> </ul>				
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.					
Candidate's Name: Date:					

Qualification:		MACHINING NC I			
Certificate of C					
	a check in the a	tions in the left-hand column of the chappeopriate box opposite each question		te your	
Can I?			YES	NO	
	ne job requirem n is required)	ent (A written work plan listing the			
o li	nterpret working	g drawings			
o D	etermine sequ	ence of operation			
• <b>S</b>	Select cutting too	bls			
Sets up	Sets up workpiece, machine, and tools				
	Jse 3-jaw chuck enters	and 4-jaw chuck, and between			
0 L	lse surface gag	e and dial indicator			
• <b>C</b>	)bserve safety p	precautions			
Perform	s <b>turning</b> opera	ation			
o F	acing				
0 S	traight turning				
• <b>C</b>	Cutting recess a	nd grooves			
o D	Prilling, ,boring, o	countesink, and reaming			
o <b>k</b>	nurling				
o e	xternal threadin	g: single-start Vee and Acme threads			
0 p	arting off				

Candidate's Name: Date:			Date:			
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.						
	0	surface texture using comparators				
	• Dimension using vernier and micrometer and gages					
•	Check / Measure workpiece					
	0	form tool				
	0	taper turning: compound slide				
	0	cut thread using tap and stock and die				

Qualific	ation:	MACHINING NC I				
Certifica	ate of Competency 3:	MILL WORKPIECE (BASIC)				
•	Read each of the ques	tions in the left-hand column of the chart. opropriate box opposite each question to indica	ate your			
Can I?		YES	NO			
• [	Determine job requirem	ent				
C	Determine tools t	to be used				
C	Determine rpm a	nd feed rates				
• 5	Set up workpiece					
С	Using vise					
С	Using clamps					
• F	Perform milling operation	on				
C	Drilling					
C	Boring					
C	Spot facing					
C	Slotting					
C	Milling keyways					
C	Milling serrations					
C	Milling vees					
C	Parting-off					
• (	Check workpiece using	gages				

Measure workpiece using vernier and micrometer c	alipers					
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.						
Candidate's Name:	Date:					

Qualification:			MACHINING NC I				
Certificate of Competency 4:			MILL WORKPIECE (BASIC)				
Instru •	Pla		stions in the left-hand column of the c ppropriate box opposite each questio		ate your		
Can	I?			YES	NO		
•		ermine job requirem ation is required)	ent (A written work plan listing the				
	0	Interpret working	drawings				
	0	Determine seque	ence of operation				
	0	Select tools to b	e used				
•	Sets	up workpiece, mad	chine, and tool				
	0	Select wheels ar	nd accessories				
	0	Determine rpm a	nd feed rates				
•	Perfo	orm <b>grinding</b> opera	ation				
	0	Grinding parallel	faces				
	0	Grinding square	surfaces				
	0	Grinding angles					
	0	Grinding to a squ	uare shoulder				
	0	Grinding radii					
	0	Grinding to cut-o	ff parts				
	0	Observed safety	precautions				
•	Cheo	ck / Measure work	piece				
•		ension using vernie ndicators	r and micrometer caliper, gages and				

surface texture using comparators					
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.					
Candidate's Name: Date:					