Reference No.								
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## SELF-ASSESSMENT GUIDE

Qualification	<b>5 AXIS CNC MACHINE OPERATION NC I</b>	11				
Unit of Competency Covered	ols, and work arations	<piece< td=""></piece<>				
Instruction: Read each question ar	nd check the appropriate column to indicate y	/our answer				
Can I?	YES	NO				
WRITE 5 AXIS CNC M	ACHINE PROGRAM					
<ul> <li>Interpret drawing to p specifications. *</li> </ul>						
Determine sequence component according						
Select cutting tools according to the requirements of the operations *						
<ul> <li>Calculate cutting speciand work piece special</li> </ul>						
<ul> <li>Fill up process/opera piece, fixture tools an</li> </ul>						
Generate sequence c automatic programmi						
<ul> <li>Use conversational o on machine capability</li> </ul>						
<ul> <li>Simulate program an operating procedure*</li> </ul>						
Save program or machine file according to standard operating procedures*.						
Download and save programs to machine files according to standard operating procedures*						
Copy proven program and saves to back up program files     according to standard operating procedures*						
SET-UP 5 AXIS CNC MACHINE, CUTTING TOOLS, AND WORKPIECE						
Power up machine according to operating manual procedure *						
Check oil and coolant level according to manufacturer's     specification*						
Check air and hydraulic pressure according to manufacturer's specification*  MEEAMO319-0719 ver. 1.00						

<ul> <li>Check and set machine zero point to required position according to standard operating procedure*</li> </ul>	
<ul> <li>Select and mount work holding devices according to standard operating procedure*</li> </ul>	
<ul> <li>Select cutting tools according to required sequence of operation*</li> </ul>	
<ul> <li>Mount cutting tools to designated tool holders according to standard operating procedure*.</li> </ul>	
<ul> <li>Set cutting tools with tool holder according to required length.*</li> </ul>	
<ul> <li>Mount cutting tools to machine magazine/carrousel according to tool number location*.</li> </ul>	
<ul> <li>Mount work piece to work holding devices to required level of accuracy using measuring tools and instruments in accordance with worksite procedures*.</li> </ul>	
<ul> <li>Set machine coordinate system values to required position according to standard operating procedure*</li> </ul>	
<ul> <li>Set and verify work piece coordinate system values to required position according to standard operating procedure*</li> </ul>	
PERFORM 5-AXIS CNC MACHINE OPERATIONS	
Close machine guard according to safety standard*	
<ul> <li>Conduct dry run in accordance to desired tool path movement *</li> </ul>	
<ul> <li>Edit program to required tool path movement*</li> </ul>	
<ul> <li>Produce components to the required dimensions, tolerance, fits, limits and surface finish according to job requirements*</li> </ul>	
<ul> <li>Check program parameters based on computed data*</li> </ul>	
<ul> <li>Maintain air pressure level according to machine operating manual*</li> </ul>	
<ul> <li>Maintain cooling system according to viscosity requirements*</li> </ul>	
<ul> <li>Maintain cutting tool sharpness according to work procedure*</li> </ul>	
Open machine guard according to machine operating manual*	
<ul> <li>Clean and deburr work piece on the fixture according to standard operating procedure*</li> </ul>	
<ul> <li>Inspect and measure work piece according to drawing specification *</li> </ul>	

PERFORM POST 5 AXIS CNC OPERATIONS					
<ul> <li>Unload work piece from work holding devices according work instruction*</li> </ul>	y to				
Clean and deburr work piece according to work instruction	on*				
<ul> <li>Inspect and measure work piece according to drawing specification*</li> </ul>					
Sign out operation sheet according to workplace proced	dures*				
<ul> <li>Submit work piece and operation sheet to immediate supervisor according to work place procedures*</li> </ul>					
<ul> <li>Shut off machine according to manufacturer's operating manual*</li> </ul>					
• Store and maintain tool based on established procedure	s*				
• Tag and report defective tools according to workplace instructions *					
<ul> <li>Perform good housekeeping and 5S on work area *</li> </ul>					
<ul> <li>Dispose waste according to waste management and environmental procedures *</li> </ul>					
<ul> <li>Apply safety practices according to OSHS*</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 and Signature	Date				