SELF - ASSESSMENT GUIDE

Qualification:	**MACHINING NC III**
Project :	**SHAFT WITH HELICAL GEAR**

Instruction:
- Read each of the questions in the left-hand column of the chart.
- Place a check in the appropriate box opposite each question to indicate your answer.

Can I?	**YES**	**NO**
• Determine job requirement (A written work plan listing the operation is required)		
• Perform **bench work**		
• Perform **turning** operation		
○ Turn diameters using steady rest		
○ Turn eccentric diameters		
○ Perform deep hole drilling and boring		
○ Turn internal shape and surface (cylinder, chamfer, groove, radii)		
○ Turn internal tapers		
○ Cut internal threads: square, ACME, and multi-start		
○ Bore hole on stationary workpiece		
○ Part off		
• Perform **milling** operation		
○ Mill helical gears		
○ Mill bevel gears		
○ Mill ratchet ,gears, sprockets using differential indexing		
○ Perform spiral milling		
○ Mills feature from established locations		

• Check / Measure workpiece Using limit gages; comparators; Gage block; Gear tooth vernier caliper; micrometers; Balls; Precision rollers		
• Perform grinding operation		
○ Select grinding wheels and accessories		
○ Grinding parallel and square surfaces		
○ Grinding to an angle surface		
○ Grinding to radii		
○ Grinding to cut off parts		
• Measures 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 & signature:		**Date:**