SELF ASSESSMENT GUIDE

<table>
<thead>
<tr>
<th>QUALIFICATION:</th>
<th>CNC LATHE MACHINE OPERATION NC III</th>
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<tbody>
<tr>
<td>Title of PBA:</td>
<td>Fabricate Breech Screw</td>
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| Units of Competencies Covered: | • Write Advanced CNC Lathe Machine Program  
| | • Set-up machine with Multiple axis, Workpiece and Cutting Tools  
| | • Perform Advanced CNC Lathe Machine Operations |

Instruction
- Read each of the questions in the left-hand column of the chart.
- Place a check on each question to indicate your answers.

Can I? | YES | NO
---|---|---
• Determines job requirements*
  - Interprets drawings
  - Determines sequence of operation
  - Selects cutting tools
  - Calculates cutting speed and feed rate
  - Determines the material to be used
• Writes basic CNC lathe machine program*
  - Calculates coordinates
  - Writes program in standard CNC lathe machine operation code format
• Edits basic CNC lathe machine program*
  - Simulates and edits program
  - Saves program
  - Downloads program
- **Sets-up machine with multiple axis, cutting tools and driven tools**
  - Checks oil and coolant
  - Checks air and hydraulic pressure
  - Checks machine zero point
  - Sets cutting tools
  - Tightens work holding and clamping devices
  - Performs tool set-up

- **Downloads / inputs program**
  - Downloads/ inputs program X
  - Simulates program X
  - Sets workpiece zero point X

- **Sets-up workpiece**
  - Mounts and centers workpiece on clamping device X
  - Observes occupational health and safety (OHS) X

- **Dry-runs program**
  - Performs dry-run with desired tool path movement X
  - Edits program to required tool path movement X

- **Performs trial cut on workpiece**
  - Machines workpiece as programmed X
  - Checks and measures workpiece dimensions X
  - Edits program and tool parameters are corrected/adjusted X
### CNC Lathe Machine Operation NC III

- **Turns workpiece**
  - Mounts workpiece
  - Performs advanced CNC lathe machine operations
  - Performs corrective measures/ adjustments
  - Observes safety procedures
  - Uses personal protective devices

- **Checks and measures workpiece**
  - Checks and measures workpiece
  - Marks, records and reports defective workpieces

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I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purpose and can only be assessed by concerned assessment personnel and may manager/supervisor.

<table>
<thead>
<tr>
<th>Candidate’s name:</th>
<th>Date:</th>
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<tbody>
<tr>
<td>Assessor’s name:</td>
<td>Date:</td>
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NOTE: *Critical aspects of competency*