

# **Assessment Evidence Guide**

**For**

**Woodworks  
(Carpentry Technician)  
Level-3**

**(Formative Assessment)**



**National Vocational & Technical Training  
Commission Islamabad**

## Instruction Sheet for the Candidate

<b>Qualification</b>	National Competency Standards Level-3 for Woodworks "Carpentry Technician"
<b>Competency Standard</b>	0722-W&C-08 Prepare tools and equipment
<b>Purpose of Assessment</b>	Formative Assessment
<b>Candidate Details</b>	Name_____
	Registration/Roll Number_____
<b>Guidance for Candidate</b>	<p><b>To meet this standard, you are required to complete the following within 03 Hrs. time frame (for practical demonstration &amp; assessment):</b></p> <ul style="list-style-type: none"> <li>• Inspect circular saw blade</li> <li>• Perform Re-sharpening circular saw blade</li> <li>• Change circular saw blade</li> <li>• Inspect cutting Blades for planner</li> <li>• Perform Re-sharpening of cutting tools</li> <li>• Perform Re-sharpening of hand saw</li> <li>• Organize hand tools in the toolbox</li> <li>• Design the cutting Blade as per required profile.</li> <li>• Organize work space</li> <li>• Select appropriate machinery for job</li> </ul>
<b>Time: 03 Hrs.</b>	
<b>Minimum Evidence Required</b>	<p><b>Inspect circular saw blade</b></p> <ol style="list-style-type: none"> <li>1. Check the blade</li> <li>2. Check the sharpness of teeth.</li> <li>3. Check the carbide tip of blade teeth</li> <li>4. Check the Balancing of blade.</li> <li>5. Set the saw blade setting.</li> </ol> <p><b>Perform Re-sharpening circular saw blade</b></p>

1. Inspect the blade for Re- sharpening
2. Select the appropriate machine for the require blade.
3. Select the appropriate method for blade sharpening.
4. Perform Re-sharpening of blade at every round.

#### **Change circular saw blade**

1. Ensure disconnection of power supply of machine.
2. Dismantle the blade from machine.
3. Fix the sharpened blade on machine.
4. Ensure the proper fixing of the blade.
5. Check alignment/rotation of the blade manually.

#### **Inspect cutting Blades for planner**

1. Ensure disconnection of power supply of machine.
2. Inspect blade edge for sharpness.
3. Replace the blade (if required)

#### **Perform Re-sharpening of cutting tools**

1. Inspect the tools for Re- sharpening
2. Identify suitable method for tool sharpening.
3. Identify the suitable tool-sharpening machine.
4. Fix the blade on machine for automatic sharpening.
5. Adjust the Grinding wheel as per required angle.

#### **Perform Re-sharpening of hand saw**

1. Select the suitable triangular file.
2. Clamp the hand saw in saw clamping device.
3. Ensure level and appropriate orientation of saw teeth.
4. Select the appropriate method for saw setting.

#### **Organize hand tools in the toolbox**

1. Categorize tools (Cutting, Measuring, other).
2. Cover the cutting edges of cutting tools before placing in tool box.
3. Organize tool box as per standards

#### **Design the cutting Blade as per required profile.**

1. Select the blade.

	<ol style="list-style-type: none"> <li>2. Trace the design on the blade.</li> <li>3. Profiling of blade.</li> </ol> <p><b>Organize work space</b></p> <ol style="list-style-type: none"> <li>1. Select the appropriate place for the job.</li> <li>2. Arrange the tools and equipment as per job.</li> <li>3. Remove unnecessary tools/equipment or items from the work place.</li> <li>4. Ensure safety measures as per job requirement.</li> </ol> <p><b>Select appropriate machinery for job</b></p> <ol style="list-style-type: none"> <li>1. Select the appropriate machinery for job</li> <li>2. Inspect the machinery and connectivity.</li> <li>3. Inspect performance of machine.</li> </ol>
<b>Portfolios</b>	<b>Portfolios required at the time of assessment (if any)</b>

## Assessors Judgment Guide

<b>Qualification</b>	National Competency Standards Level-3 for Woodworks "Carpentry Technician"
<b>Competency Standard</b>	0722-W&C-08 Prepare tools and equipment
<b>Purpose of Assessment</b>	Formative Assessment
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Signature: _____
<b>Assessment Outcome</b>	<p><b>COMPETENT</b>   <b>NOT YET COMPETENT</b>      <input type="checkbox"/>                      <input type="checkbox"/></p> <p>Name of the Assessor _____</p> <p>Assessor's code: _____</p> <p>Signature: _____</p>

<b>Assessment Summary (to be filled by the assessor)</b>							
Activity	Method					Result	
	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Nature of Activity							
Practical Skill Demonstration			✓				
Knowledge Assessment		✓					
Other Requirement							

## Observation Checklist

<b>Assessment Task</b>	<ul style="list-style-type: none"> <li>• Inspect circular saw blade</li> <li>• Perform Re-sharpening circular saw blade</li> <li>• Change circular saw blade</li> <li>• Inspect cutting Blades for planner</li> <li>• Perform Re-sharpening cutting tools</li> <li>• Perform Re-sharpening of hand saw</li> <li>• Organize hand tools in the toolbox</li> <li>• Design the cutting Blade as per required profile.</li> <li>• Organize work space</li> </ul>			
<b>During the practical assessment, candidate demonstrated the following:</b>		<b>Yes</b>	<b>No</b>	<b>Remarks</b>
1.	Wear appropriate PPE for the job			
2.	Check the circular saw blade			
3.	Check the sharpness of teeth.			
4.	Check the carbide tip of blade teeth			
5.	Check the Balancing of blade.			
6.	Set the saw blade setting			
7.	Inspect the blade for Re- sharpening			
8.	Select the appropriate machine for the require blade.			
9.	Select the appropriate method for blade sharpening.			
10.	Perform Re-sharpening of blade at every round.			
11.	Ensure disconnection of power supply of machine.			
12.	Dismantle the blade from machine.			
13.	Fix the sharpened blade on machine.			
14.	Ensure the proper fixing of circular saw blade.			
15.	Check alignment/rotation of the circular saw blade manually.			
16.	Inspect blade edge of planner for sharpness.			
17.	Replace the blade of planner (if required)			
18.	Inspect the tools for Re- sharpening			
19.	Identify suitable method for tool sharpening.			
20.	Identify the suitable tool-sharpening machine.			
21.	Fix the planner blade on machine for automatic sharpening.			
22.	Adjust the Grinding wheel as per required angle.			

23	Select the suitable triangular file for hand saw			
24	Clamp the hand saw in saw clamping device.			
25	Ensure level and appropriate orientation of saw teeth.			
26	Select the appropriate method for saw setting.			
27	Categorize tools (Cutting, Measuring, other).			
28	Cover the cutting edges of cutting tools before placing in tool box.			
29	Organize tool box as per standards.			
30	Select the profile shape for cutting blade			
31	Trace the design on the blade.			
32	Profiling of blade.			
33	Select the appropriate place for the job.			
34	Arrange the tools and equipment as per job.			
35	Remove unnecessary tools/equipment or items from the work place.			
<b>Competent</b> <input type="checkbox"/>		<b>Not Yet Competent</b> <input type="checkbox"/>		

## Knowledge Assessment

<b>Qualification</b>	National Competency Standards Level-3 for Woodworks "Carpentry Technician"
<b>Competency Standard</b>	0722-W&C-08 Prepare tools and equipment
<b>Purpose of Assessment</b>	Formative Assessment
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
<b>Assessment Outcome</b>	<b>COMPETENT</b> <input type="checkbox"/> <b>YET COMPETENT</b> <input type="checkbox"/> Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning maybe used to clarify candidate understanding of topic and its application.

	<b>Questions</b> (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)	<b>Satisfactory</b>	<b>Not Satisfactory</b>
1.	Why carbide tipped blade is better?  <hr/>		
2.	How to identify if blade needs to be replaced?  <hr/>		
3.	Describe the type of file used for re-sharpening of handsaw.		

4.	how to sharp a circular saw blade?		
5.	Enlist PPE required for working on circular saw machine.		



## Knowledge Assessment-Answers

1.	<p><b>Why carbide tipped blade is better?</b></p> <p>Carbide remains sharper longer than plain steel, which makes a carbide cutting tool more efficient. Carbide <b>enables blades to cut faster without binding</b>, which reduces load on woodworking machines. Normal-steel cutting tools dull fast</p>
2.	<p><b>How to identify if blade needs to be replaced?</b></p> <p>Chipped teeth or rounded edges are sure signs that your blade needs to be replaced or <b>sharpened</b>. It is very important that the blade is sharpened as soon as visible saw blade deterioration occurs</p>
3.	<p><b>Describe the type of file used for re-sharpening of handsaw.</b></p> <p>triangular file is used for sharpening of handsaw blade.</p>
4.	<p><b>How to sharp a circular saw blade?</b></p> <p>you can use a hand file, crank sharpener or automatic sharpener on saw blade for sharpening. Also, automatic sharpeners will get the job done faster, they can also be rough on your blade's teeth.</p>
5.	<p><b>Enlist PPE required for working on circular saw machine.</b></p> <p>PPE required for working on hand saw blade is as under</p> <ol style="list-style-type: none"> <li>1. googles,</li> <li>2. ear plugs,</li> <li>3. protective gloves,</li> <li>4. cover-all,</li> <li>5. safety shoes</li> </ol>