

## Instruction Sheet for the Candidate

<b>Qualification</b>	<b>National Vocational Certificate in Metal Forming &amp; Processing Level 3</b>
<b>Competency Standard</b>	Perform Brazing & Soldering Operation
<b>Purpose of Assessment</b>	<b>Formative Assessment</b>
<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 04 Hrs. time frame (for practical demonstration &amp; assessment):</b></p> <ul style="list-style-type: none"> <li>• CU1. Perform Brazing Operation</li> <li>• CU2. Perform Soldering Operation</li> </ul>
<b>Time: 04 Hrs.</b>	During a practical assessment, under observation by an assessor, you are required to
<b>Minimum Evidence Required</b>	<p><b>CU1. Perform Brazing Operation</b></p> <p><b>P1.</b> Arrange Work piece as per drawing  <b>P2.</b> Perform cutting of work piece as per the requirement  <b>P3.</b> Perform file work if required  <b>P4.</b> Arrange filler wire as per requirement  <b>P5.</b> Perform Brazing operation as per standard  <b>P6.</b> Perform visual inspection of the job as per standard</p> <p><b>CU2. Perform Soldering Operation</b></p> <p><b>P1.</b> Identify soldering tools/equipment/material as per requirement  <b>P2.</b> Arrange soldering tools/equipment/material as per requirement  <b>P3.</b> Perform cleaning of the metal work piece  <b>P4.</b> Adjust work pieces as per job requirement  <b>P5.</b> Carry out the Melting of the Solder (filler metal)  <b>P6.</b> Apply Solder on the work piece  <b>P7.</b> Perform post soldering cleaning  <b>P8.</b> Perform visual inspection of the job</p>

## Self-Assessment Checklist

<b>Candidate Name</b>	
<b>Registration No.</b>	
<b>Qualification</b>	<b>National Vocational Certificate in Metal Forming &amp; Processing Level 3</b>
<b>Competency Standard</b>	Perform Brazing & Soldering Operation
<b>Purpose of Assessment</b>	<b>Formative Assessment</b>
<b>Assessment Task</b>	<ul style="list-style-type: none"> <li>• CU1. Perform Brazing Operation</li> <li>• CU2. Perform Soldering Operation</li> </ul>

I can.....

<b>Performance Criteria</b>	<b>Yes</b>	<b>No</b>
<b>P1.</b> Arrange Work piece as per drawing	<input type="checkbox"/>	<input type="checkbox"/>
<b>P2.</b> Perform cutting of work piece as per the requirement	<input type="checkbox"/>	<input type="checkbox"/>
<b>P3.</b> Perform file work if required	<input type="checkbox"/>	<input type="checkbox"/>
<b>P4.</b> Arrange filler wire as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
<b>P5.</b> Perform Brazing operation as per standard	<input type="checkbox"/>	<input type="checkbox"/>
<b>P6.</b> Perform visual inspection of the job as per standard	<input type="checkbox"/>	<input type="checkbox"/>
<b>P7.</b> Identify soldering tools/equipment/material as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
<b>P8.</b> Arrange soldering tools/equipment/material as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
<b>P9.</b> Perform cleaning of the metal work piece	<input type="checkbox"/>	<input type="checkbox"/>
<b>P10.</b> Adjust work pieces as per job requirement	<input type="checkbox"/>	<input type="checkbox"/>
<b>P11.</b> Carry out the Melting of the Solder (filler metal)	<input type="checkbox"/>	<input type="checkbox"/>
<b>P12.</b> Apply Solder on the work piece	<input type="checkbox"/>	<input type="checkbox"/>
<b>P13.</b> Perform post soldering cleaning	<input type="checkbox"/>	<input type="checkbox"/>
<b>P14.</b> Perform visual inspection of the job	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature \_\_\_\_\_ Assessor's Signature \_\_\_\_\_

Date: \_\_\_\_\_

## Assessors Judgment Guide

<b>Qualification</b>	<b>National Vocational Certificate in Metal Forming &amp; Processing Level 3</b>
<b>Competency Standard</b>	Perform Brazing & Soldering Operation
<b>Purpose of Assessment</b>	<b>Formative Assessment</b>
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Signature: _____
<b>Assessment Outcome</b>	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor _____ Assessor's code: _____ Signature: _____

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

## Observation Checklist

<b>Assessment Task</b>	<ul style="list-style-type: none"> <li>CU1. Perform Brazing Operation</li> <li>CU2. Perform Soldering Operation</li> </ul>			
<b>During the practical assessment, candidate demonstrated the following:</b>		<b>Yes</b>	<b>No</b>	<b>Remarks</b>
1.	Arrange Work piece as per drawing			
2.	Perform cutting of work piece as per the requirement			
3.	Perform file work if required			
4.	Arrange filler wire as per requirement			
5.	Perform Brazing operation as per standard			
6.	Perform visual inspection of the job as per standard			
7.	Identify soldering tools/equipment/material as per requirement			
8.	Arrange soldering tools/equipment/material as per requirement			
9.	Perform cleaning of the metal work piece			
10.	Adjust work pieces as per job requirement			
11.	Carry out the Melting of the Solder (filler metal)			
12.	Apply Solder on the work piece			
13.	Perform post soldering cleaning			
14.	Perform visual inspection of the job			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

## Knowledge Assessment

<b>Qualification</b>	<b>National Vocational Certificate in Metal Forming &amp; Processing Level 3</b>
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<b>Purpose of Assessment</b>	<b>Formative Assessment</b>
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
<b>Assessment Outcome</b>	<b>COMPETENT</b> <input type="checkbox"/> <span style="margin-left: 100px;"><b>NOT YET COMPETENT</b> <input type="checkbox"/></span> 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 may be used to clarify candidate understanding of topic and its application.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	Define brazing		
2.	Define soldering		
3.	Describe importance of filing		

4.	Describe sheet metal gauges		

Feedback to the Candidate	
Candidate's Signature _____ Assessor's Signature _____	