

# **Assessment Evidence Guide**

## **For**

### **“Fettling Operator”**

**Level-2**

**Module name**  
**(Formative Assessment)**

*8<sup>th</sup> -12<sup>th</sup> March 2021*



**National Vocational & Technical**  
**Training Commission**

<b>Title of Qualification: Fettling Operator</b>	CS Code:	Level: 2	Version: 01
<b>Competency Standard Title: Perform surface cleaning by sand blasting</b>	<b>Assessment Date (DD/MM/YY):</b>  <b>Assessment Time: 1 hour</b>		

Candidate Details	Name: .....  Registration/Roll Number:.....
Guidance for Candidate	<p><b>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration &amp; assessment):</b></p> <p><b>Assessment Task 1:</b> Candidate is required to: Set up equipment</p> <p><b>Assessment Task 2:</b> Candidate is required to: Perform surface cleaning</p> <p><b>Assessment Task 3:</b> Candidate is required to: Inspect specimen</p> <p><b>And complete:</b></p> <ol style="list-style-type: none"> <li><b>1. Knowledge assessment test (Written or Oral)</b></li> <li><b>2. Portfolios at the time of assessment (if any)</b></li> </ol>
Minimum Evidence Required	<p><b>During a practical assessment, under observation by an assessor, you will complete:</b></p> <p><b>Assessment Task 1</b></p> <ul style="list-style-type: none"> <li>• Arrange appropriate equipment and related consumables</li> <li>• Set up equipment in accordance with manufactures specifications and standard operating procedures.</li> <li>• Select correct rust inhibitor for sand blasting as per requirement</li> <li>• Carry out pre-operational checks on equipment</li> <li>• Rectify faults to execute the sand blasting.</li> </ul> <p><b>Assessment Task 2</b></p> <ul style="list-style-type: none"> <li>• Carry out abrasive media disposal in accordance with standard operating procedures.</li> <li>• Set air pressure as per requirement</li> <li>• Place given sample in chamber</li> <li>• Operate blasting equipment in accordance with standard operating procedures.</li> <li>• Remove specimen and clean blasting equipment</li> </ul>

	<b>Assessment Task 3</b> <ul style="list-style-type: none"> <li>• Inspect specimen in accordance with requirement</li> <li>• Record casting defect after cleaning operation and report in accordance with standard operating procedures.</li> </ul>
	<b>Portfolios required at the time of assessment (if any) for</b>

*Continued on following page*

**Assessors Judgment Guide** (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: ..... Registration/Roll Number: ..... Candidate Signature: .....
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: ..... Assessor's code: ..... Signature of the Assessor: .....

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							

Each Assessment Task (with performance criteria)				
<b>Assessment Task 1</b>		<b>Description of assessment task 1</b>		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Arrange appropriate equipment and related consumables			
2.	Set up equipment in accordance with manufactures specifications and standard operating procedures.			
3.	Select correct rust inhibitor for sand blasting as per requirement			
4.	Carry out pre-operational checks on equipment			
5.	Rectify faults to execute the sand blasting.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

<b>Assessment Task 2</b>		<b>Description of assessment task 2</b>		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
6.	Carry out abrasive media disposal in accordance with standard operating procedures.			
7.	Set air pressure as per requirement			
8.	Place given sample in chamber			
9.	Operate blasting equipment in accordance with standard operating procedures.			
10.	Remove specimen and clean blasting equipment			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

<b>Assessment Task 3</b>		<b>Description of assessment task 2</b>		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Inspect specimen in accordance with requirement			
2.	Record casting defect after cleaning operation and report in accordance with standard operating procedures.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

<b>Title of Qualification: Fettling Operator</b>	CS Code:	Level:	Version: 01
<b>Competency Standard Title: Perform surface cleaning by sand blasting</b>	<b>Assessment Date (DD/MM/YY):</b>  <b>Assessment Time: 30 min</b>		

Guidance for Candidate	<b>To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.</b>
------------------------	--

**Assessors Guide** (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: ..... Registration/Roll Number: ..... Candidate Signature: .....
Written Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: ..... Assessor's code: ..... Signature of the Assessor: .....

<b>Title of Qualification: Fettling Operator</b>	<b>CS Code:</b>	<b>Level: 2</b>	<b>Version:</b> 01
<b>Competency Standard Title: Perform surface cleaning by sand blasting</b>	<b>Assessment Date (DD/MM/YY):</b>  <b>Assessment Time: 30 min</b>		

#### WRITTEN ASSESSMENT

Question	Candidate's answer
1. Describe some abrasive materials.	<ul style="list-style-type: none"> <li>silicon dioxide, soda, steel, bristle, glass bead and silicon carbide etc.</li> </ul>
2. What does corrosion inhibitor do?	<ul style="list-style-type: none"> <li>A chemical compound that, when added to a liquid or gas, decreases the corrosion rate of a material, typically a metal or an alloy. The effectiveness of a corrosion inhibitor depends on fluid composition, quantity of water, and flow regime.</li> </ul>
3.	<ul style="list-style-type: none"> <li></li> </ul>