

Assessment Evidence Guide

For

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Level-2

Module name
(Formative Assessment)

8th -12th March 2021



**National Vocational & Technical
Training Commission**

Title of Qualification: Melter	CS Code:	Level: 2	Version: 01
Competency Standard Title: Work Safely with Molten Metal	Assessment Date (DD/MM/YY): Assessment Time:		

Candidate Details	Name: Registration/Roll Number:.....
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment) as per the instructions given in Annexure A:</p> <p>Assessment Task 1: Candidate is required to: Identify the need for personal protective equipment (PPEs)</p> <p>Assessment Task 2: Candidate is required to: Adhere to emergency procedures with molten metal.</p> <p>Assessment Task 3: Candidate is required to: Identify hazardous conditions at Workplace</p> <p>Assessment Task 4: Candidate is required to: Observe good OHS practices</p> <p>And complete:</p> <ol style="list-style-type: none"> Knowledge assessment test (Written or Oral) Portfolios at the time of assessment (if any)
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p>Assessment Task 1</p> <ul style="list-style-type: none"> Use appropriate personal protective equipment as specified in standard operating procedures (SOP). Interpret regulations & guidelines specific to Melting process. Interpret common safety rules and tips. Identify employer safety rules and policies.

	Assessment Task 2 <ul style="list-style-type: none"> • Use emergency equipment located in accordance with workplace policies and procedures. • Response to emergency procedures as demonstrated in approved safety procedures and instructions.
	Assessment Task 3 <ul style="list-style-type: none"> • Identify hazards and report to maintain a healthy and safe work environment. • Follow workplace procedures and work instructions for controlled risks accurately.
	Assessment Task 3 <ul style="list-style-type: none"> • Identify hazardous areas and materials associated with molten metal and risks associated. • Identify safety signs and symbols displayed. • Use PPE equipment according to the specifications and standard operating procedures. • Inspect personal protective equipment to maintain in a good order for reuse. • Identify hazardous items associated with hot material area. • Perform housekeeping duties according to standard operating procedure to maintain a safe working environment.
	Portfolios required at the time of assessment (if any) for

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)				
Assessment Task 1		Description of assessment task 1		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Use appropriate personal protective equipment as specified in standard operating procedures (SOP).			
2.	Interpret regulations & guidelines specific to Melting process.			
3.	Interpret common safety rules and tips.			
4.	Identify employer safety rules and policies.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Use emergency equipment located in accordance with workplace policies and procedures.			
2.	Response to emergency procedures as demonstrated in approved safety procedures and instructions.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 3		Description of assessment task 3		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Identify hazards and report to maintain a healthy and safe work environment.			
2.	Follow workplace procedures and work instructions for controlled risks accurately.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 4		Description of assessment task 3		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Identify hazardous areas and materials associated with molten metal and risks associated.			
2.	Identify safety signs and symbols displayed.			
3.	Use PPE equipment according to the specifications and standard operating procedures.			
4.	Inspect personal protective equipment to maintain in a good order for reuse.			
5.	Identify hazardous items associated with hot material area.			
6.	Perform housekeeping duties according to standard operating procedure to maintain a safe working environment.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: Melter	CS Code:	Level: 2	Version: 01
Competency Standard Title: Work Safely with Molten Metal	Assessment Date (DD/MM/YY): Assessment Time: 30 min		

Guidance for Candidate	To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.
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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:

Title of Qualification: Melter	CS Code:	Level:2	Version: 01
Competency Standard Title: Work Safely with Molten Metal	Assessment Date (DD/MM/YY): Assessment Time: 30 min		

WRITTEN ASSESSMENT

Question	Candidate's answer
1. What are different risks/hazards associated with molten metal?	<ul style="list-style-type: none"> • Heat stress • Exposure to airborne fumes and vapors • Noise & vibration produced by machines • Danger of explosion • Trips & falling
2. Identify few activities which can cause injury at melting area?	<ul style="list-style-type: none"> • Improper training • Not wearing heat protective coverall at melting area • No use of PPEs during work
3. Define how to reduce risks at work place?	<ul style="list-style-type: none"> • By using PPEs • Using safety measures and precautions • Follow rules & SOPs
4. How to create a safe and friendly work place?	<ul style="list-style-type: none"> • Ensure relevant safety signs are placed on the shop floor • Maintain clean and safe work place
5. How melting furnaces and molten metal are dangerous?	<ul style="list-style-type: none"> • Glare and infrared radiations from furnaces and molten metal can cause eye damage, skin burns.
6. What if you do not maintain safety procedures at work place?	<ul style="list-style-type: none"> • Accidents • Equipment damage • Loss of life • Delay in jobs
7. Why to use safety signs, symbols and labels?	<ul style="list-style-type: none"> • To keep employees safe • to understand the types of hazards in the workplace • to understand the level of risk the hazard presents

Question	Candidate's answer
8. What is the best way to dispose the waste?	<ul style="list-style-type: none"> • To keep waste material is kept in the designated area • Not to throw waste in open air

Annexure A:

Identify and explain the purpose of each sign.



Name the identified parts on the given picture



