

## Self-Assessment Checklist

<b>Candidate Name</b>	
<b>Registration No.</b>	
<b>Qualification</b>	Mining Process Technology
<b>Competency Standards</b>	Perform mine ventilation design and process
<b>Assessment Task</b>	<i>Perform the following to improve mine ventilation</i> 1) Layout the basic mine ventilation system 2) Comprehend the basic rules for ventilation system  <i>Note: Assessor should provide map and equipment as required for the assessment.</i>

I can.....

Performance Criteria	Yes	No
1. Carry out the survey for installation of ventilation system	<input type="checkbox"/>	<input type="checkbox"/>
2. Check optimization through simulator	<input type="checkbox"/>	<input type="checkbox"/>
3. Develop model for ventilation system	<input type="checkbox"/>	<input type="checkbox"/>
4. Identify the air flow system of ventilation system	<input type="checkbox"/>	<input type="checkbox"/>
5. Make a layout on paper of ventilation system	<input type="checkbox"/>	<input type="checkbox"/>
6. Outline the layout of single and double split system	<input type="checkbox"/>	<input type="checkbox"/>
7. Calculate area, volume and velocity of air for specified mine location	<input type="checkbox"/>	<input type="checkbox"/>

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

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

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

## Instruction Sheet for the Candidate

Qualification	National Vocational Certificate level 1 to 5, Mining Process Technology
Competency Standard(s)	Perform mine ventilation design and process

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><i>Perform the following to improve mine ventilation</i></p> <ol style="list-style-type: none"> <li>1) Layout the basic mine ventilation system</li> <li>2) Comprehend the basic rules for ventilation system</li> </ol> <p><i>Note: Assessor should provide map and equipment as required for the assessment.</i></p>
Time:120 mins	<p>During a practical assessment, under observation by an assessor, you are required to demonstrating the following criteria:</p> <ol style="list-style-type: none"> <li>1. Carry out the survey for installation of ventilation system</li> <li>2. Check optimization through simulator</li> <li>3. Develop model for ventilation system</li> <li>4. Identify the air flow system of ventilation system</li> <li>5. Make a layout on paper of ventilation system</li> <li>6. Outline the layout of single and double split system</li> <li>7. Calculate area, volume and velocity of air for specified mine location</li> </ol>
Minimum Evidence Required	

## Assessors Judgment Guide

<b>Qualification</b>	National Vocational Certificate level 1 to 5, Mining Process Technology
<b>Competency Standard(s)</b>	Perform mine ventilation design and process
<b>Candidate Details</b>	Name: _____ Registration/Roll Number: _____ Signature: _____
<b>Assessment Outcome</b>	<p><b>COMPETENT</b> <input type="checkbox"/> <b>NOT YETCOMPETENT</b> <input type="checkbox"/></p> <p>Name of the Assessor _____ Assessor's code: _____</p> <p>Signature: _____</p>

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>	<i>Perform the following to improve mine ventilation</i> 1) Layout the basic mine ventilation system 2) Comprehend the basic rules for ventilation system  <i>Note: Assessor should provide map and equipment as required for the assessment.</i>			
<b>During the practical assessment, candidate demonstrated the following:</b>		<b>Yes</b>	<b>No</b>	<b>Remarks</b>
1.	Carried out the survey for installation of ventilation system			
2.	Checked optimization through simulator			
3.	Developed model for ventilation system			
4.	Identified the air flow system of ventilation system			
5.	Made a layout on paper of ventilation system			
6.	Outlined the layout of single and double split system			
7.	Calculated area, volume and velocity of air for specified mine location			
<b>Competent</b> <input type="checkbox"/>		<b>Not Yet Competent</b> <input type="checkbox"/>		

Feedback to the Candidate	
Candidate's Signature_____	Assessor's Signature_____