

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Mining Process Technology
Competency Standards	Perform application of Arc GIS and Google Earth in mining technology
Assessment Task	Perform the following activities to 1) Calculate the area of the given site 2) Specify the location of given site <i>Note: Assessor should provide Map and toposheet as required for the assessment.</i>

I can.....

Performance Criteria	Yes	No
1. Setup google earth as per job requirements	<input type="checkbox"/>	<input type="checkbox"/>
2. Access the location of the given area	<input type="checkbox"/>	<input type="checkbox"/>
3. Manipulate the coordinates as required	<input type="checkbox"/>	<input type="checkbox"/>
4. Calculate the area of the given site	<input type="checkbox"/>	<input type="checkbox"/>
5. Calculate the distance between different points	<input type="checkbox"/>	<input type="checkbox"/>
6. Upload map sheet as required	<input type="checkbox"/>	<input type="checkbox"/>
7. Assign coordinate system to uploaded sheet	<input type="checkbox"/>	<input type="checkbox"/>
8. Apply different commands in GIS as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
9. Select area for analysis	<input type="checkbox"/>	<input type="checkbox"/>
10. Outline the position of selected area	<input type="checkbox"/>	<input type="checkbox"/>
11. Identify mineral showings offshoots	<input type="checkbox"/>	<input type="checkbox"/>
12. Differentiate metallic and non-metallic mineral zones	<input type="checkbox"/>	<input type="checkbox"/>
13. Develop subsurface cross-section	<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 application of Arc GIS and Google Earth in mining technology

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):</p> <p>Perform the following activities to</p> <ol style="list-style-type: none"> 1) Calculate the area of the given site 2) Specify the location of given site <p><i>Note: Assessor should provide Map and toposheet as required for the assessment.</i></p>
Time:180 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"> 1. Setup google earth as per job requirements 2. Access the location of the given area 3. Manipulate the coordinates as required 4. Calculate the area of the given site 5. Calculate the distance between different points 6. Upload map sheet as required 7. Assign coordinate system to uploaded sheet 8. Apply different commands in GIS as per requirement 9. Select area for analysis 10. Outline the position of selected area 11. Identify mineral showings offshoots 12. Differentiate metallic and non-metallic mineral zones 13. Develop subsurface cross-section
Minimum Evidence Required	

Assessors Judgment Guide

Qualification	National Vocational Certificate level 1 to 5, Mining Process Technology
Competency Standard(s)	Perform application of Arc GIS and Google Earth in mining technology
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	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

Assessment Task		Perform the following activities to 1) Calculate the area of the given site 2) Specify the location of given site <i>Note: Assessor should provide Map and toposheet as required for the assessment.</i>		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Setup google earth as per job requirements			
2.	Access the location of the given area			
3.	Manipulate the coordinates as required			
4.	Calculate the area of the given site			
5.	Calculate the distance between different points			
6.	Upload map sheet as required			
7.	Assign coordinate system to uploaded sheet			
8.	Apply different commands in GIS as per requirement			
9.	Select area for analysis			
10.	Outline the position of selected area			
11.	Identify mineral showings offshoots			
12.	Differentiate metallic and non-metallic mineral zones			
13.	Develop subsurface cross-section			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

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