

SCANNED

Assessment Booklet

RIIMPO320F

Conduct civil construction excavator operations



Information for the Participant

The assessment has been developed to assess your skills and knowledge required to operate excavator operations to lift carry and place materials.

The Assessment Booklet contains the assessments to be completed. Your Assessor will lead you through each assessment.

Theory Assessment

Time allowed is 1.5 hours. Additional time may be used.

Practical Assessment

Time allowed 4 hours. Additional time may be used.

Site WHS requirements are to be adhered to at all times.

The practical assessment will consist of questioning and observations and will consist of at least 2 tasks covering excavator operations.

Where the demonstration of competency is not achieved in the first attempt of an assessment, a second attempt at the time of the assessment will be provided.

Where competence is not achieved in the second attempt, options will be discussed to identify further training and/or assessment activities.

Assessment Record and Progressive Summary Report

Participant Name _____

Date _____

Assessor _____

Internal Assessment Only (completed by the assessor)

Conduct civil construction excavator operations	Competent / Not Competent
Theory Assessment	C / NC
Practical Assessment / Challenge Test	C / NC

Statement of Attainment Section (completed by the assessor)

Evidence Requirements	Competent / Not Competent
Enrolment Form	<input type="checkbox"/> Completed
Theory Assessment	C / NC
Practical Assessment and Challenge Test	C / NC
Plant SWMS	C / NC
RPL (if applicable)	
Statement of Attainment RIIMPO320F Conduct civil construction excavator operations	C / NC

NOT REQUIRED

Feedback:

Signatures

Assessor _____

Date _____

Date _____

Assessment Process Agreement

Participant and Assessor to complete prior to the Assessment

Participant _____

Assessor _____

Participant to answer the following questions (Yes or No)

1	Has the purpose and consequences of the assessment been explained?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
2	Have you received a copy of the relevant standards/criteria?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
3	Do you understand which evidences are to be collected?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
4	Have your rights and the appeal system been fully explained?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
5	Do you understand how to access your records if required?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
6	Have you any special needs that need to be considered during assessment?	<input checked="" type="radio"/> Yes	<input checked="" type="radio"/> No

Please outline here

Signatures

Participant _____ Date _____

Assessor _____ Date _____

Theory Assessment

Name:	
Date:	
Procedure:	RIIMPO320F Conduct civil construction excavator operations
Has the candidate been pre briefed on the assessment and appeals process? <input checked="" type="checkbox"/> Yes	
Assessment should not proceed until this has been completed	

QUESTION		Satisfactory Response	
		Yes	No
	Plan and prepare for excavator operations		
1	Where would you locate the procedures and machine specific SWMS relevant to excavator operations? <input checked="" type="radio"/> A. In the company procedure manual kept in the site office <input type="radio"/> B. In the administration office <input type="radio"/> C. In your supervisor's drawer <input type="radio"/> D. In the vehicle cabin	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	Which of the following would be LEAST likely to be discussed at a shift change over? <input type="radio"/> A. Work hazards <input checked="" type="radio"/> B. Capital work programs <input type="radio"/> C. Vehicle condition <input type="radio"/> D. Problems encountered by previous shift	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	Work instructions are obtained during pre-start briefings and toolbox talks and these include requirements on meeting the project quality plans? <input checked="" type="radio"/> A. True <input type="radio"/> B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	If you were unsure of how to tackle a task what would you need to refer to? <input type="radio"/> A. Work Instructions <input type="radio"/> B. Job or Task Hazard Analysis <input type="radio"/> C. Operator Manuals <input checked="" type="radio"/> D. All of the above	<input checked="" type="checkbox"/>	<input type="checkbox"/>

QUESTION		Satisfactory Response	
		Yes	No
5	It is your duty of care to wear PPE in accordance with site rules and signage? <input checked="" type="radio"/> A. True <input type="radio"/> B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Understanding verbal work instructions, civil construction terminology and interpreting basic civil sketches, drawings and plans are an important part of excavator operations? <input checked="" type="radio"/> A. True <input type="radio"/> B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	Disposing of site contaminants correctly is covered in; <input type="radio"/> A. Heritage policies <input type="radio"/> B. Government legislation <input checked="" type="radio"/> C. Environmental and site procedures <input type="radio"/> D. Supervisors advice	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	The SDS (previously MSDS) is where you would find information on the correct PPE requirements to safely handle and use oils and grease to service the machine? <input checked="" type="radio"/> A. True <input type="radio"/> B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	Soil erosion, Dust, Fluid spills, Damage to flora and fauna are some environmental issues which can arise from excavator operations <input checked="" type="radio"/> A. True <input type="radio"/> B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	When using a two way radio keep? <input type="radio"/> A. Message short and talk quickly <input type="radio"/> B. Talking as long as it takes to deliver message <input checked="" type="radio"/> C. Message short and speak clearly <input type="radio"/> D. Interrupting so that you can deliver your message	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	When travelling on site, excavator operators must adhere to site traffic management plans and hierarchy rules <input checked="" type="radio"/> A. True <input type="radio"/> B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>

QUESTION	Satisfactory Response	
	Yes	No
19 When hot seating, you must check that _____ before approaching any machine. A. Safely parked on level ground B. Operator out of cab C. Bucket lowered to ground (D) All of the above	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20 What action should you take in the event of fatigue? A. Keep on working until the shift break B. Stop the machine and have a rest (C) Notify supervisor and park up safely D. Call up for a cup of coffee	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21 You must attach..... and.....before performing a pre-start check on an excavator? A. testing and adjusting tag B. personal danger tag (C) personal isolation lock/test for dead D. lock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22 The excavator must be parked in a safe position, with the bucket grounded and the operator in the cab with the door closed before any person may climb onto the machine. A. True (B) False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23 When mounting/dismounting an excavator you must: A. Face away from the machine and maintain three points of contact (B) Face the machine and maintain three points of contact (C) Maintain three points of contact D. Face the machine	<input checked="" type="checkbox"/>	<input type="checkbox"/>
24 The required horn signals for starting and commencing to move the excavator are: A. 1 to move forward, 2 to reverse, 3 to start, 1 to lift bucket (B) 1 to start, 2 to move forward, 3 to reverse, 1 to lift bucket C. 1 to reverse, 2 to start, 3 to move forward, 2 to lift bucket D. 1 to start, 2 to reverse, 3 to move forward, 2 to lift bucket	<input checked="" type="checkbox"/>	<input type="checkbox"/>

QUESTION		Satisfactory Response	
		Yes	No
12	What is the site emergency radio channel? A. 1 B. 2 C. 3 (D) Site specific regulations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	Who is responsible for identifying hazards/risks on site? A. Company managers B. Your supervisor C. You (D) Everybody	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	Who must you notify immediately if any changes occur during operations? A. Maintenance B. Crusher (C) Supervisor D. Other operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15	When mounting/dismounting ensure that you carry all the tools, supplies, etc you will require for your shift. A. True (B) False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16	Communication systems used to liaise with others are: A. Computer, faxes, mobile phones B. Written reports and memos C. Verbal communication D. Communicate through meeting E. Two way radios (F) All of the above	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17	Accessing site geological and survey data can be a part of the attachment selection criteria to carry out allotted task. (A) True B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18	Always approach an excavator from a position so as to allow vision to the cab. (A) True B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>

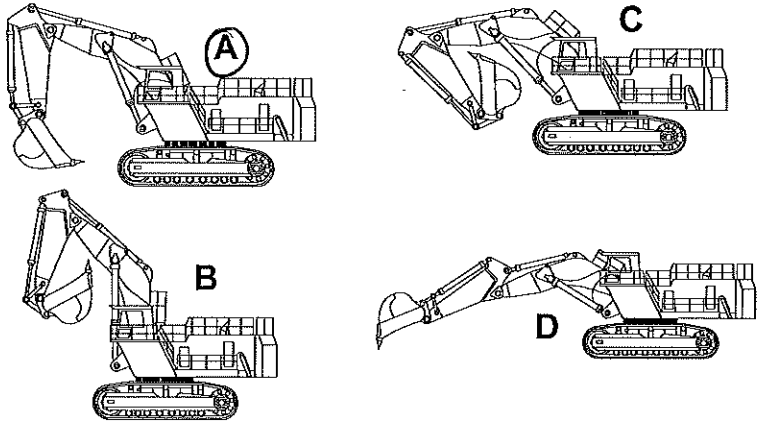
QUESTION		Satisfactory Response	
		Yes	No
25	<p>The purpose of a walk around inspection is to ensure that nobody is in, under, behind or around the machine before boarding and to check the terrain you intend moving into is clear</p> <p><input type="radio"/> A. True <input checked="" type="radio"/> B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
26	<p>A _____ must be fitted to the isolation point prior to conducting a walk around inspection if you intend to enter into the footprint of the machine.</p> <p><input type="radio"/> A. testing and adjusting tag <input checked="" type="radio"/> B. personal isolation lock <input type="radio"/> C. testing and adjusting tag <input type="radio"/> D. personal danger tag and lock</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
27	<p>A pre-start check must be conducted:</p> <p><input type="radio"/> A. If any repair or service work has been performed <input checked="" type="radio"/> B. At each shift change or after repair/service work has been performed <input type="radio"/> C. At each shift change <input type="radio"/> D. Once a week</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
28	<p>What should be looked for when inspecting track assemblies?</p> <p><input type="radio"/> A. Track tension <input type="radio"/> B. Track chain pins for wear, movement and missing grouser plates <input type="radio"/> C. Rollers, idlers, sprockets and final drives for damage, wear and oil leaks <input checked="" type="radio"/> D. All of the above</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
29	<p>Any faults, damage or abnormalities found during a pre-start check should be reported:</p> <p><input type="radio"/> A. In the log book and then commence operation <input checked="" type="radio"/> B. Immediately, logged into the 103 book and machine not operated until checked/fixd <input type="radio"/> C. To maintenance/ supervisor and then commence operation <input type="radio"/> D. At the end of the shift</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
30	<p>If the engine will not start, how long must you wait before attempting a restart?</p> <p><input type="radio"/> A. 1 minute <input checked="" type="radio"/> B. 2 minutes <input type="radio"/> C. 3 minutes <input type="radio"/> D. 4 minutes</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

QUESTION		Satisfactory Response	
		Yes	No
31	<p>What action do you take if any warning lights continue to show after starting?</p> <p>A. Rev the engine to get them to go out</p> <p>B. Keep the engine idling and report any faults</p> <p>C. Shut the engine down and report any faults</p> <p>D. Shut the engine down and then restart after 5 mins</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
32	<p>What are some of the methods for extinguishing a fire?</p> <p>A. Starvation</p> <p>B. Smothering</p> <p>C. Cooling</p> <p>D. All of the above</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
33	<p>When are you required to test the fire suppression system?</p> <p>A. Only after the machine has returned from maintenance</p> <p>B. Once a week</p> <p>C. As part of the machine's periodical service</p> <p>D. During every pre-start check</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
34	<p>Place the following in correct order for testing the fire suppression system.</p> <p>3 A. Press test button on control panel</p> <p>4 B. Check alarm sounds and light flashes</p> <p>1 C. Start the engine</p> <p>0 D. Press test button followed by reset button for system reset and restart machine</p> <p>5 E. Check for engine shutdown</p> <p>2 F. Let air pressure build up after starting</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
35	<p>All hydraulic controls should be checked that they are functioning correctly and the _____ should be _____ to ensure even wear and grease distribution.</p> <p>A. Boom / raised fully</p> <p>B. Bucket / fully extended</p> <p>C. Machine / slewed through 360o</p> <p>D. Stick / fully extended</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

QUESTION		Satisfactory Response	
		Yes	No
36	<p>When parking up at the end of shift for a hot seat change over, what must you do before the incoming operator can approach?</p> <p>A. Park the machine and ground bucket B. Park the machine, ground bucket and get out of the cab C. Park the machine, ground bucket and stay in the machine (D) Park the machine, ground bucket and exit to the ground</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
37	<p>Which following statement is FALSE?</p> <p>A. When carrying out a hot seat change over, the incoming operator must undertake a visual walk around inspection prior to boarding B. When parking up, allow adequate room around the machine for service trucks and other equipment C. The machine should never be parked under a high overhang (D) You are not required to undertake a walk around inspection after park up, as the incoming operator will be doing one</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Operate excavator			
38	<p>Coordination with other workers is an important part of safety requirements.</p> <p>(A) True B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
39	<p>A Take Five booklet must be filled out before each shift or if conditions or your task changes throughout the shift:</p> <p>(A) True B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
40	<p>A visual inspection of the work area should be undertaken before attempting a task:</p> <p>(A) True B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
41	<p>You must check and test the security of all safety locking pins and keeper bolts of any fitted attachments before a task is undertaken.</p> <p>(A) True B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

QUESTION		Satisfactory Response	
		Yes	No
42	<p>On hearing an emergency evacuation alarm in the workplace; how would you evacuate?</p> <p>A Evacuate following procedures, routes and exit points to your nominated muster areas</p> <p>B. Evacuate by the quickest means and report to any muster area</p> <p>C. Evacuate following your mate, through any areas that will give you the quickest way out</p> <p>D. None of the above</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
43	<p>You have noticed smoke coming from the engine compartment. Place the following steps in the correct procedure order.</p> <p>A. Manually activate the fire suppression system 3</p> <p>B. Park machine safely and lower bucket to ground 1</p> <p>C. Evacuate the machine 5</p> <p>D. Place an emergency call over the two-way radio 4</p> <p>E. Shut down the engine 2</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
44	<p>Place the following in order to identify the correct procedure if your machine breaks down in an operational area.</p> <p>4 A. Turn on hazard lights</p> <p>5 B. Notify Supervisor and others in immediate area</p> <p>3 C. Shut down the engine if necessary</p> <p>6 D. If safe, stay in cab and wait for assistance</p> <p>1 E. Park up and ground bucket</p> <p>2 F. Apply travel brake</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
45	<p>The machine should always be travelled with the tracks in the "basic" position.</p> <p>A. True</p> <p>B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
46	<p>The slew brake should be OFF when travelling.</p> <p>A. True</p> <p>B False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

QUESTION		Satisfactory Response	
		Yes	No
47	<p>What must you do if, when moving using a spotter, you lose sight of the spotter or signals are not clear?</p> <p><input checked="" type="radio"/> A. Stop and don't move until contact/ understanding is established</p> <p>B. Sound the horn three times and keep moving back</p> <p>C. Stop and get out of the cab to look for the spotter</p> <p>D. Keep moving but call up on two-way to find out where the spotter is</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
48	<p>If the machine becomes unstable, or starts slipping or rocking while travelling you should:</p> <p>A. Slow up until the machine is stable</p> <p><input checked="" type="radio"/> B. Release the travel pedals immediately and ground the bucket</p> <p>C. Push the travel pedals back and forward until machine is stable</p> <p>D. Ground the bucket</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
49	<p>The excavator must be positioned as level as possible when operating to aid stability and machine efficiency.</p> <p><input checked="" type="radio"/> A. True</p> <p>B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
50	<p>The bucket can be slewed over persons / machines / vehicles as long as it is empty.</p> <p>A. True</p> <p><input checked="" type="radio"/> B. False</p>	<input type="checkbox"/>	<input type="checkbox"/>
51	<p>When performing a slew inspection of the area, always attempt to slew to the left (anti-clockwise).</p> <p><input checked="" type="radio"/> A. True</p> <p>B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
52	<p>The slew function can be used to shift rocks, clean floors and clean up walls.</p> <p>A. True</p> <p><input checked="" type="radio"/> B. False</p>	<input type="checkbox"/>	<input type="checkbox"/>

QUESTION		Satisfactory Response	
		Yes	No
53	<p>What position should the civil excavator be in when travelling the machine on level ground, with no overhead obstructions, for some distance?</p> 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
54	<p>If operating conditions change during a shift you would modify operating techniques to meet changing work conditions.</p> <p><input checked="" type="radio"/> A. True <input type="radio"/> B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
55	<p>Which of the following can be classed as changing work conditions?</p> <p>A. Weather conditions B. Haulage plant C. Geological data D. Terrain or site conditions <input checked="" type="radio"/> E. All the above</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
56	<p>Which of the following is a form of communication?</p> <p>A. Two way radio B. Horn signal C. Hand signals <input checked="" type="radio"/> D. All the above</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
57	<p>Operate all hydraulic functions in a _____ manner.</p> <p>A. Slow and careful B. Fast and furious <input checked="" type="radio"/> C. Smooth and rhythmic D. Quick and efficient</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

QUESTION	Satisfactory Response	
	Yes	No
58 If the machine suffers a failure and needs to be parked up in an operational area then _____ must be placed around the machine. A. A windrow barrier B. Cones C. Flashing lights (D) All of the above	<input checked="" type="checkbox"/>	<input type="checkbox"/>
59 When operating near power lines, you cannot work (fully extended) closer than ____ metres. (A) 3 B. 5 C. 10 D. 15	<input checked="" type="checkbox"/>	<input type="checkbox"/>
60 When stripping topsoil or excavating soft or wet material it is best to use a tilt or mud bucket. (A) True B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
61 When excavating heavy or rocky soil you should use a digging bucket or general purpose bucket. (A) True B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
62 When "walking" off benches, always travel with the drive motors to the front (A) True B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
63 Optimum bench height for loading trucks is: A. About the height of the excavator B. 7 metres C. Just less than the maximum reach of the excavator bucket (D) About the height of a truck body	<input checked="" type="checkbox"/>	<input type="checkbox"/>

QUESTION		Satisfactory Response	
		Yes	No
64	<p>Which following statement is FALSE?</p> <p>A. The bucket should be disengaged from the face before commencing to slew</p> <p>B. Take care when working a high face as vibrations and even the machine engine noise can be enough to cause a face collapse</p> <p><input checked="" type="radio"/> C. When working a face, the excavator should be positioned at approximately 45° to the face with the drive motors pointing towards the face</p> <p>D. The machine should work a face from right to left, with the trucks positioned on the left of the excavator to avoid blindside loading</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
65	<p>An excavator must excavate or load over the drive motors.</p> <p>A. True</p> <p><input checked="" type="radio"/> B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
66	<p>The first bucketful of a load should be slowly tilted forward and gently dumped low into the truck body.</p> <p><input checked="" type="radio"/> A. True</p> <p>B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
67	<p>Whenever the excavator is sitting and waiting for trucks, the bucket should be grounded to avoid unnecessary strain on the hydraulic system.</p> <p><input checked="" type="radio"/> A. True</p> <p>B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
68	<p>Selecting an attachment is carried out with the aid of geological data and task specifications:</p> <p><input checked="" type="radio"/> A. True</p> <p>B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
69	<p>When fitting attachments to an excavator they should be tested for security and correct operating function:</p> <p><input checked="" type="radio"/> A. True</p> <p>B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
70	<p>Attachment safety pins or hydraulic locking tabs must be activated after fitting attachment:</p> <p><input checked="" type="radio"/> A. True</p> <p>B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

QUESTION		Satisfactory Response	
		Yes	No
71	Match excavator attachment to task: 1 Tilt bucket 2 Rock grab 3 Rock hammer 4 GP bucket 5 Boring 6 Sifting bucket 4 A Trenching/ loading 6 B Debris removal 5 C Auger 1 D Battering 2 E Stacking or loading rock 3 F Rock breaking	<input checked="" type="checkbox"/>	<input type="checkbox"/>
72	Attachments should be used within their maximum mechanical angles and limits. A. True B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
73	Attachments must be used as per manufactures recommendations and designed performance limits. A. True B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
74	If loading rocky material, fill the first bucket with _____ material to cushion the impact of the material to follow. A. Heavy rock B. A mix of heavy and light C. Light rocky D. Fines	<input checked="" type="checkbox"/>	<input type="checkbox"/>
75	The approximate weight of a cubic metre of wet sand weighs. A. 1.0 tonne B. 1.6 tonne C. 3.0 tonne D. 2.5 tonne	<input checked="" type="checkbox"/>	<input type="checkbox"/>
76	Trucks should be loaded to their maximum efficient capacity without overloading or placing material on the over cab loading board A. True B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>

QUESTION		Satisfactory Response	
		Yes	No
77	<p>What is the maximum depth a trench be excavated in stable ground before battering or shoring is required if a person is to enter that excavation?</p> <p>A. 0.4m B. 2.0m <input checked="" type="radio"/> C. 1.5m D. 3.0m</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
78	<p>You are excavating using an excavator. Clean sand, crushed aggregate, plastic tape, moisture and sandbags could be some of the indications that you are excavating close to an underground service?</p> <p><input checked="" type="radio"/> A. True B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
79	<p>Digging boxes, shoring, benching and battering are all ways to help prevent a cave in on excavations and trenching</p> <p><input checked="" type="radio"/> A. True B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
80	<p>When excavating a trench or excavation in firm ground the battering or benching angle of repose should be approximately the depth of the excavation?</p> <p><input checked="" type="radio"/> A. True B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
81	<p>When an excavator is used in a demolition process a falling object protective structure (FOPS) must be fitted</p> <p><input checked="" type="radio"/> A. True B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
82	<p>An excavator is in danger of overturning when slewing a load if the turntable is not level</p> <p><input checked="" type="radio"/> A. True B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
83	<p>Does soft or uneven ground change how much you can lift or carry?</p> <p><input checked="" type="radio"/> A. You cannot carry or lift as much load safely B. It doesn't matter how soft the ground is you can still carry or lift the same amount</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

QUESTION		Satisfactory Response	
		Yes	No
84	How far must people be kept away from the excavator when it is digging? A. 10m B. 15m C. 30m (D) The operating radius of the machine	<input checked="" type="checkbox"/>	<input type="checkbox"/>
85	What action should you take if you discover a large rock protruding from the side of trench you are excavating? (A) Remove the rock that could fall and injure someone B. Ignore it , it's somebody else's problem C. Cover it up so no one can see it	<input checked="" type="checkbox"/>	<input type="checkbox"/>
86	When a sling or chain is used with a reeve or choker hitch around a square load, how is the SWLL (safe working load limit) changed? (A) Reduces the SWLL by 50% B. Does not affect the SWLL C. Increases the SWLL (D) Reduces the SWLL by 25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
87	When a sling or chain is used with a reeve or choker hitch around a pipe or round load, how is the SWLL (safe working load limit) changed? A. Reduces the SWLL by 50% B. Increases the SWLL C. Does not affect the SWLL (D) Reduces the SWLL by 25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
88	If lifting a nominated load, how would you be able to assess its weight? A. Calculate the weight by volume B. Delivery dockets C. Weighbridge dockets D. Weight marked on the item (E) Any of the above	<input checked="" type="checkbox"/>	<input type="checkbox"/>
89	Why is it illegal to attach slings to the teeth of a bucket? A. Bucket teeth are not an approved lifting connection B. The teeth may break off C. The sling can easily slip off (D) All of the above	<input checked="" type="checkbox"/>	<input type="checkbox"/>

QUESTION		Satisfactory Response	
		Yes	No
90	When a four legged bridle sling arrangement is used to hoist a rigid load, the two diagonally opposite slings must be capable of supporting the weight of the load whilst other two slings are used for stability <input checked="" type="radio"/> A. True <input type="radio"/> B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
91	The SWL (safe working load) must be attached to the excavator, the lifting lugs or hooks and a current SWL tag on the lifting slings or chains before the excavator can be used in any hoisting operations. <input checked="" type="radio"/> A. True <input type="radio"/> B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
92	A tag line can be used to control the swing of a load you are lifting <input checked="" type="radio"/> A. True <input type="radio"/> B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
93	You are allowed to lift a person in the bucket of an excavator. <input type="radio"/> A. True <input checked="" type="radio"/> B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
94	You must check the security of the safety pins and keeper bolts of all attachments before operations. <input checked="" type="radio"/> A. True <input type="radio"/> B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
95	When preparing the excavator for removal off site it should be cleaned of any excess mud or spoil for safety and environmental reasons: <input checked="" type="radio"/> A. True <input type="radio"/> B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
96	When loading or unloading you must follow the instruction of the float operator at all times. <input checked="" type="radio"/> A. True <input type="radio"/> B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>

QUESTION		Satisfactory Response	
		Yes	No
	Post excavator operations		
97	The machine operator must remain in the footprint of the machine whilst it is being refuelled / serviced A. True B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
98	Before entering the workshop area you must notify them and any entry / exit from bays must be guided by a spotter. A. True B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
99	Before refuelling, the plant No and engine hours must be entered into the computer on-board the fuel truck A. True B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
100	Attachments not being used should be stored in the appropriate location A. True B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
101	At the end of the shift any attachments used should be: A. Broken B. Covered in mud C. Cleaned and checked for damage and working condition D. Disposed of	<input checked="" type="checkbox"/>	<input type="checkbox"/>
102	It is the responsibility of the operator who has just finished a shift to ensure the operator's cabin is clean and tidy. A. True B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
103	Fluids should be checked and any faults reported at the end of the shift. A. True B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>
104	All site daily records and reports should be completed at the end of shift. A. True B. False	<input checked="" type="checkbox"/>	<input type="checkbox"/>

QUESTION		Satisfactory Response	
		Yes	No
105	<p>The two (2) main calculations you need to know and apply are for area and volume. Area is calculated as multiplying the length x width. Volume is calculated by multiplying the length x width x depth.</p> <p><input checked="" type="radio"/> A. True <input type="radio"/> B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
106	<p>Are these typical construction sequences?</p> <p>Earthworks:</p> <ul style="list-style-type: none"> • Mark out work area • Clear the surface work area • Remove topsoil • Create contours, batters or benches <p><input checked="" type="radio"/> A. True <input type="radio"/> B. False</p> <p>Roadworks:</p> <ul style="list-style-type: none"> • Complete as per earthworks, and • Create drains • Cut and fill as required • Compact as needed • Cut pavement layers <p><input checked="" type="radio"/> A. True <input type="radio"/> B. False</p> <p>Drainage:</p> <ul style="list-style-type: none"> • Complete as per earthworks and roadworks as needed • Form drain lines • Form out the area to be worked • Lay drains, box drains or culverts • Backfill • Landscape <p><input checked="" type="radio"/> A. True <input type="radio"/> B. False</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Feedback:	
Participant's underpinning knowledge was:	
Signed by the assessor:	Signed by Participant:
Date:	

Practical Assessment

Name:	
Assessor:	
Date:	11
Procedure:	RIIMPO320F Conduct civil construction excavator operations
Has the candidate been pre briefed on the assessment and appeals process? <input checked="" type="checkbox"/> Yes Assessment should not proceed until this has been completed	

During the demonstration of skills, did the candidate:	Satisfactory Response	
	Yes	No

<p>Task 1 Details: <u>LOAD HAUL TRUCKS</u></p> <p>Material type: <u>Clay</u></p> <p>Activities covered (Note – all activities to be covered):</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> loading, cutting/boxing <input checked="" type="checkbox"/> stripping/spreading <input checked="" type="checkbox"/> lifting and carrying materials <input checked="" type="checkbox"/> bulk excavation <input checked="" type="checkbox"/> mixing/backfilling <input checked="" type="checkbox"/> trench excavation <input checked="" type="checkbox"/> stockpiling <input checked="" type="checkbox"/> battering <input checked="" type="checkbox"/> benching <input type="checkbox"/> site clean up <p>Attachments fitted and removed for the task:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> tilt bucket <input checked="" type="checkbox"/> buckets <input type="checkbox"/> lifting device <input type="checkbox"/> vibrating compaction wheel <input type="checkbox"/> ripper/tyne <input type="checkbox"/> compaction plate <input type="checkbox"/> compaction wheel <input type="checkbox"/> rock breaker <input type="checkbox"/> auger 	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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