



## **RIIMPO335E Conduct skid steer loader operations without attachments**

### **Student Instructions & Theory Questions**

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Contents:  
Student Instructions  
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# Introduction

This Student Package outlines the requirements for the assessment RIIMPO335E Conduct skid steer loader operations without attachments. This unit of competency is a requirement for any person who will be expected to perform skid steer loader operations during their work day. This unit is designed by SITETRAIN for an industrial setting particularly relevant to the mining sector and those industries that service mining.

This assessment concerns itself with the assessment of competency using RIIMPO335E Conduct skid steer loader operations without attachments

This unit involves:

- Plan and prepare for skid steer loader operations
- Operate skid steer loader in line with established requirements
- Load, carry and place materials to complete work activity
- Relocate the skid steer loader
- Conduct housekeeping activities

# Performance Evidence

- The candidate must demonstrate the ability to complete the tasks outlined in the elements and performance criteria of this unit.
- The candidate must demonstrate completion of skid steer loader operations without attachments that safely, effectively and efficiently follows workplace procedures to carry out work activity on at least two occasions, and include:
  - conducting prestart checks prior to commencing operations and shutdown procedures on completion of operations
  - driving and operating skid steer loader, and adjusting techniques to suit site conditions
  - shifting loads to the correct location, carrying them as close to the ground as possible
  - performing at least one of the following skid steer loading tasks on each occasion (i.e. two different tasks in total):
    - stripping and spreading materials
    - backfilling
    - loading vehicles
    - excavations
    - mixing materials
    - site clean up
    - lifting and carrying materials
  - using communication methods to confirm activity, direction of travel, and process to safely move and transport load
  - shifting and placing materials
  - assisting with loading and unloading skid steer loader from float/trailer
  - park up, shut down and prepare machine for maintenance
- In the course of the above work the candidate must also:

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- locate and apply relevant documentation, policies and procedures
- select and wear personal protective equipment required for work activities
- carry out vehicle refuelling requirements and procedures where applicable
- apply safe work practices and identify and report potential hazards and environmental issues, and assess risks
- monitor and manage equipment performance using indicators and alarms
- identify common equipment faults
- apply problem solving and troubleshooting techniques when operating equipment
- select and use required tools and equipment
- inspect and prepare work area
- manage changes in the loads centre of gravity during transportation
- use a range of communication techniques and equipment essential to the safe completion of work instruction, including hand, audible and other signals
- meet written and verbal reporting requirements and procedures associated with skid steer loader operations

## Knowledge Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements and performance criteria of this unit.

The candidate must demonstrate completion of skid steer loader operations without attachments that safely, effectively and efficiently follows workplace procedures to carry out work activity on at least two occasions, and include:

- conducting prestart checks prior to commencing operations and shutdown procedures on completion of operations
- driving and operating skid steer loader, and adjusting techniques to suit site conditions
- shifting loads to the correct location, carrying them as close to the ground as possible
- performing at least one of the following skid steer loading tasks on each occasion (i.e. two different tasks in total):
  - stripping and spreading materials
  - backfilling
  - loading vehicles
  - excavations
  - mixing materials
  - site clean up
  - lifting and carrying materials
- using communication methods to confirm activity, direction of travel, and process to safely move and transport load
- shifting and placing materials
- assisting with loading and unloading skid steer loader from float/trailer
- park up, shut down and prepare machine for maintenance
- In the course of the above work the candidate must also:
  - locate and apply relevant documentation, policies and procedures
  - select and wear personal protective equipment required for work activities
  - carry out vehicle refuelling requirements and procedures where applicable

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- apply safe work practices and identify and report potential hazards and environmental issues, and assess risks
- monitor and manage equipment performance using indicators and alarms
- identify common equipment faults
- apply problem solving and troubleshooting techniques when operating equipment
- select and use required tools and equipment
- inspect and prepare work area
- manage changes in the loads centre of gravity during transportation
- use a range of communication techniques and equipment essential to the safe completion of work instruction, including hand, audible and other signals
- meet written and verbal reporting requirements and procedures associated with skid steer loader operations

## Unit Information

The unit of competency being assessed is RIIMPO335E Conduct skid steer loader operations without attachments. This competency is drawn from the Resource and Infrastructure Industry training package RII3.

The unit can be accessed at [training.gov.au](https://training.gov.au) at the following link:

<https://training.gov.au/Training/Details/RIIMPO335E>

The unit of competency is task orientated and the performance criteria expresses in detail the standard of performance and the sequence these tasks are usually performed. The RII30415 Certificate III in Underground Metalliferous Mining is the benchmark for assessment.

### Pre-requisites

The unit of competency has no pre-requisites units:

### Co-requisites

The unit of competency has no co-requisites.

### Licencing requirements

There are no specified licencing requirements to undertake this unit.

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# Assessment Overview

This unit of competency will be assessed using assessment methods including a knowledge assessment and a practical observation assessment. This allows for the discrete assessment of specific knowledge and the assessment of knowledge integrated with skills during practical simulated workplace tasks.

There are Five assessment activities for the assessment of RIIMPO335E Conduct skid steer loader operations without attachments.

**Please note:** The Candidate must demonstrate a satisfactory result in all assessment activities in order to be assessed as competent in the unit.

RIIMPO335E Conduct skid steer loader operations without attachments Theory Assessment	Knowledge Assessment <b>(60 minutes)</b>	The candidate must provide a written or verbal response to 15 short answer/ multiple choice questions which address the knowledge requirement of the unit. The candidate must answer all questions correctly. The assessment is supervised in a classroom setting and conducted over 1 hour
RIIMPO335E Conduct skid steer loader operations without attachments  Performance Assessment General	Performance Assessment General  Note: Many elements are continuously applied across all assessments	<p>Continuous application of skills and knowledge</p> <ul style="list-style-type: none"> <li>Locates and applies relevant documentation, policies and procedures</li> <li>Following work instructions to operate in the area from work area supervisor and assessor</li> <li>Assess the operational area for hazards</li> <li>Follows site operational speed limits and traffic management requirements</li> <li>Identifying operational area hazards and implementing adequate controls</li> </ul> <p>Communicating with others</p> <ul style="list-style-type: none"> <li>Communicating with others with different means of communication</li> <li>Confirms positive isolation when checking engine bay components</li> <li>Candidate completes site required documentation for the safe and efficient use of the skid steer loader</li> </ul>
RIIMPO335E Conduct skid steer loader operations without attachments	Performance assessment 1 Task 1 <b>(30 Minutes)</b>	<p>Plan and prepare for skid steer loader operations.</p> <ul style="list-style-type: none"> <li>Identifies and tests communication methods.</li> <li>Locates and explains procedures and reporting documentation and manufacturer and site requirements.</li> </ul>
Performance Assessment 1	Performance assessment 1 Task 2 <b>(20 Minutes)</b>	<p>Perform a pre-start of a skid steer loader.</p> <ul style="list-style-type: none"> <li>Identifies hazards and equipment defects associated with skid steer loader and records on checklist.</li> <li>Reports category A and B faults. Organizes repair for any category A faults found.</li> </ul>
	Performance assessment 1 Task 3 <b>(30 Minutes)</b>	<p>Conduct a pre-task and area risk assessment using site or supplied risk assessment tool.</p> <ul style="list-style-type: none"> <li>Identify hazards with the work area and tasks.</li> <li>Implement required controls.</li> </ul>

**Theory Assessment:** In each Student's Pack there is a separate Theory Questionnaire document which is used by the Student to record their answers to the Theory questions found in this document. **DO NOT** write on or mark this document but use it as the guide to answer either the multiple choice questions or the requirements of written answers.

## Reasonable Adjustment

Candidates may provide verbal responses to questions as a method of reasonable adjustment where this is required according to the candidate's needs. It should be noted however that where calculations are required in the written response; the candidate must record these.

Where students have provided verbal responses to clarify their written answers, the student must write that answer down and place an **initial** next it. This indicates that reasonable adjustment has occurred for a question and is valuable data that can help Site train improve its assessment tools and course delivery.

It is also not essential that the written responses provided by the candidate include correct spelling or grammar. The assessments seek to assess the candidate's knowledge of working safely at heights.

The candidate's ability to apply literacy skills is not being assessed. This requirement is consistent with how these tasks are performed in the workplace which do not usually involve higher writing skills.

## Flexibility

*What happens if I am assessed as NYC (Not Yet Competent) for any criteria (parts) of the assessments?*

Your assessor will strive to provide you with as much time as possible for you to demonstrate the required skills and knowledge during an assessment.

Your assessor will provide you with feedback on your overall performance and provide constructive details on the elements where a NYC decision has been made.

If more time is required outside of the allotted time either for re-assessment due to NYC decisions or due to you being unable to complete the course for other reasons, your assessor will discuss re-assessment strategies with you that are suitable to your needs, your workplace needs and consider factors such as workplace location and availability of resources.

You will be given up to three opportunities to undertake the assessment before extraordinary arrangements are required. It is the intent of the Sitetrain to provide additional training and assessment in order to allow for differences in learning requirements. Additional assessment arrangements can be made for any student in consultation with the CEO. [damien@sitetrain.com.au](mailto:damien@sitetrain.com.au) or 0428 540 681.

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# Benchmarks for Assessments

The endorsed unit of competency RIIMPO335E Conduct skid steer loader operations without attachments has been unpacked to identify the required knowledge and skills to be understood and demonstrated by the student.

This is represented in the observation assessment criteria and knowledge questions which have been developed by analysing the whole unit including elements of competence, performance criteria, range information, required knowledge and skills and the evidence guide.

To support reliability in the assessment, model answers have been produced for the theory assessment and performance criteria have been used to define the requirements of each practical exercise.

The following evidence requirements competently completed by the candidate as determined by the assessor are the benchmarks to be used for RIIMPO335E Conduct skid steer loader operations without attachments.

- **Knowledge assessment** – all answers must be correct as per the model's answers included in the assessor's instructions.
- **Performance assessments 1 – 3** - The performance criteria used from the unit of competence and the performance and knowledge criteria are the benchmark for these assessments.

The model answers to supporting questions included in the Performance Assessment Document are the benchmark for those elements.

Performance assessment tasks have been developed to allow the student time to perform the necessary performance elements while performing IT specific tasks relevant to the mining industry and maintaining the rules of evidence (Valid, Sufficient, Current and Authentic)

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# Candidate Instructions – Theory Assessment

## The assessment tasks

This task requires the candidate to complete a written or verbal response knowledge assessment involving 15 short response questions. The questions within this assessment relate directly to the integrated knowledge contained within the unit of competency and are fundamental to the candidate's ability to perform workplace tasks correctly.

The assessment is conducted over a one-hour period in a classroom setting directly supervised by the assessor. The classroom should be set up in order to prevent candidates from discussing questions or viewing each other's responses. The candidate must answer all questions correctly in order to satisfactorily complete this assessment.

## Limitations

The following limitations apply:

- The candidate will have One (1) hour to complete the assessment.
- Candidate's responses are to be recorded in writing or may be provided verbally (MP3 recorded format preferred).

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# Theory Questions

**1. List the minimum required Personal Protective Equipment (PPE) that must be worn in any operational area?**

**2. Match the controls in the right-hand column to the hazards in the left-hand column. (Write the hazard numbers to the controls.)**

1. Operator fatigue	6	– Ensure windows are cleaned before use and windscreen washer unit is full and working.
2. Personnel nearby & other machinery		– Test lockdown safety bar is working during checks, never exit the machine while running.
3. High ambient temperatures		– Fill potholes and back blade ground surface to level unstable ground conditions before starting loading operations. Reduce operating speed accordingly.
4. Dusty conditions		– Refer to SDS for instructions on required PPE and chemical handling and disposal advice. Ask enviro's or supervisor if advice needed.
5. Unstable /rough ground		– Have water on hand and drink regularly. Set up a shaded area for rest breaks. Use wide brims for hard hats, fly nets and sunscreen.
6. Poor visibility due to mud		– Get good sleep, don't take drugs or drink alcohol in excess on work nights.
7. Overloading machine		– Check tyres during pre-start checks for inflation, cracks and the wheel nuts are tight.
8. Unexpected engine start		– Isolate the battery isolator before doing pre-start checks in the engine bay.
9. Crush injury to legs		– If required, use signs, barricades, and a spotter to control vehicles and prevent pedestrians from entering the working area.
10. Tipping due to underinflated tyre		– Dial before you dig or contact the electrical department to survey for buried services and authorise the excavation permit.
11. Contact with buried pipe & electrical lines		– Ensure the attachment is made for the machine. Find out what the SWL of machine and attachments are. Use the material weights guide to determine weights of different materials
12. Contact with chemicals and chemical spills		– Check cabin for presence of rubbish and dirt build up. Always clean after use ready for the next operator.
13. Inability to operate controls due to rubbish, dirt build up and objects in cabin		– Reduce machine speed and if possible, wet down area using hose or a water cart.

**3. If the engine compartment of the skid steer loader catches on fire while you're in the machine; what is the first thing you do?**

- a) Drive the machine to the ERT department as fast as possible to get the fire put out.
- b) If possible, park the machine away from nearby structure and vehicles, turn off, activate emergency fire suppression if installed and exit the machine ASAP.
- c) Immediately exit the machine, leave it running and watch it burn, then fill out an incident report.
- d) Drive it into the nearest dam or wash down bay and quench the fire.

**4. After exiting the skid steer loader with the engine compartment on fire, what is the next thing you should do?**

- a) Fight the fire using fire extinguishers if available and only if your competent and confident you can put out or suppress the fire quickly and safely. Suppress the fire from the outside first, before moving in closer or opening the engine bay. Wear gloves. Raise the alarm to get further help ASAP, then control and observe the scene.
- b) Raise the alarm and then run away, this is what emergency responders are trained for.
- c) Hold your breath, rush in, and remove the fire extinguisher from its cradle, you can ignore the flames if your very quick. Kick open the engine compartment door, keep holding your breath, close your eyes to prevent being blinded by smoke, now discharge the entire contents of the extinguisher into the engine bay.
- d) Raise the alarm and wait for help, then stay out of the way while your work mate rushes in, holds their breath, and closes their eyes and discharges the fire extinguisher into the engine bay.

**5. Who is responsible for risk assessing the machine work area to ensure signs, barricades and spotters are used when and where required?**

- a) The facility manager.
- b) The safety department.
- c) The mines inspector.
- d) People directly involved with the job.

**6. Match the task on the left with the things need to be done on the right to ensure a quality job is performed.**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>1. Loading steel balls into a hopper.</li> <li>2. Cleaning spillage that contains bits of steel from under a conveyor.</li> <li>3. Levelling the ground in a carpark.</li> </ul> | <ul style="list-style-type: none"> <li>– Remove any oversize to the proper area. Ensure draining channels are cleaned as well.</li> <li>– Ensure clean-up material is stored in the “contaminated pile” So foreign objects wont cause blockages or damage crushers.</li> <li>– Ensure the bucket is clean before loading. Pick up any balls by hand after loading if required.</li> </ul> |
|---|---|

**7. There are 3 levels to the EMS warning system in the skid steer loader, name and explain what action must be taken at each level.**

*Information 1:*

  
  

*Information 2:*

  
  

*Information 3:*

**8. Name 2 low level maintenance tasks needs to occur to the skid steer loader and or attachments as part of the post operational tasks?**

1:

  

2:

**9. When you’re loading or unloading the skid steer loader from a float, trailer or truck, it is your responsibility to find out site procedures for unloading and loading vehicles which may include mandatory controls such as the use of traffic cones, a spotter, using a designated unloading area, wheel chocks and approved ramps?**

True                      False

<b>10. Circle the following equipment on a skid steer loader that can help guide the operator and nearby personnel and equipment in safe operation and awareness?</b>								
<table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">Two-way radio</td> <td style="width: 25%;">Flashing light</td> <td style="width: 25%;">work lights</td> <td style="width: 25%;">rear camera</td> </tr> <tr> <td style="text-align: center;">reversing alarm</td> <td style="text-align: center;">horn</td> <td style="text-align: center;">overload alarm</td> <td></td> </tr> </table>	Two-way radio	Flashing light	work lights	rear camera	reversing alarm	horn	overload alarm	
Two-way radio	Flashing light	work lights	rear camera					
reversing alarm	horn	overload alarm						
<b>11. What proportion of the loader's mass is over the rear wheels with no load in the bucket?</b>								
<b>12. How does this change with a loaded bucket?</b>								
<b>13. How does raising the loaders arms affect the machines stability?</b>								
<b>14. How do you prevent wheel spin when driving into a stockpile?</b>								
<b>15. Where can you find the machines specifications such as rated capacity?</b>								