

Tower Operator Assessment

Assessment	<p>This document can be used:</p> <ul style="list-style-type: none"> • For gathering evidence in a training environment • As a competency check of knowledge on an existing worker; or • As a summative assessment.
Candidate Name	
Assessor Name	
Date of Assessment	
Summary of Assessment	<p><input type="checkbox"/> The candidate met all outcomes of the worker assessment</p> <p><input type="checkbox"/> The candidate has NOT met all outcomes of the worker assessment</p> <p><input type="checkbox"/> Gap training plan developed</p>
Date of Reassessment	
Summary of Reassessment	<p><input type="checkbox"/> The candidate met all outcomes of the worker assessment</p> <p><input type="checkbox"/> The candidate has NOT met all outcomes of the worker assessment</p>
Instructions	<ul style="list-style-type: none"> • Complete the assessment with the candidate, adding notes to justify your decisions. • Ensure the first page of this document is completed (all fields). • Develop a gap training plan for practical deficiencies if required. • Use the same form for reassessment (if applicable), only reassessing the areas where gaps exist. • Conduct the competency conversation before conducting the practical assessment.

Note: This worker assessment covers the technical components of a specific role. For general knowledge and a complete picture of a worker's competency, BC Forest Safety recommends the optional Basic Forest Worker competency profile and assessment tools that can be found at www.bcforestsafesafe.org.

Part 1 - Competency Conversation

General Instructions	
<p>To conduct a competency conversation, ask the worker the questions in this first part of the assessment to determine if they understand the knowledge components of their role. It is acceptable to rephrase the question in a way that the worker understands, but the worker cannot be given hints to the correct answer. The assessment should not be used as a training opportunity; instead, any deficiencies identified in this assessment should be collected into a gap training plan and addressed with the worker later.</p> <p>Important Note: Do not conduct competency conversation while operating equipment.</p>	
Training and Assessment Rubric	
Assessment Instruction	<p>S - This means that the candidate must supply all responses listed, as the knowledge is safety critical or important.</p> <p>B - This means the candidate must at a minimum verbalize the bolded responses, and additional responses are further proof of competence.</p> <p>P - The candidate must give a percentage of responses correctly to reasonably show competence in the area.</p>

1009 – Recognize, Evaluate, and Control Hazards related to Yarding

Locator	Questions			
General Yarding / General Mechanized Harvesting				
1.1	<p>Name five general hazards related to yarding and the means to control them.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Overloading of yarding system <input type="checkbox"/> Unstable machinery <input type="checkbox"/> Equipment in poor location <input type="checkbox"/> Anchor failure <input type="checkbox"/> Cable failure <input type="checkbox"/> Runaway logs <input type="checkbox"/> Unstable topography <input type="checkbox"/> Phase congestion <input type="checkbox"/> Communication failure <input type="checkbox"/> Windthrow <p>Assessment Instruction: P – 5 from list</p>			
	<table border="1"> <tr> <td>Assessment:</td> <td><input type="checkbox"/> Outcome met</td> <td><input type="checkbox"/> Outcome not met</td> </tr> </table>	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met		
Locator	Questions			
2.1	<p>Name five road change hazards and the means to control them.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Carrying heavy loads <input type="checkbox"/> Handling wire rope <input type="checkbox"/> Chainsaw use <input type="checkbox"/> Wire rope failure <input type="checkbox"/> Strap or anchor failure <input type="checkbox"/> Flying debris <input type="checkbox"/> Binds or bight <input type="checkbox"/> Unplanned rope or wire rigging movement <input type="checkbox"/> Tail hold failure <input type="checkbox"/> Jagers puncturing hands <input type="checkbox"/> Unrecognized long logs <p>Assessment Instruction: P – 5 from list</p>			
	<table border="1"> <tr> <td>Assessment:</td> <td><input type="checkbox"/> Outcome met</td> <td><input type="checkbox"/> Outcome not met</td> </tr> </table>	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met		

Locator	Questions		
3.1	<p>Name ten breaking out hazards and the means to control them.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Terrain obstructions <input type="checkbox"/> The bight <input type="checkbox"/> Unexpected log/deck movement <input type="checkbox"/> Unplanned rigging movement <input type="checkbox"/> Heavy undergrowth <input type="checkbox"/> Wire rope and rigging <input type="checkbox"/> Flying debris <input type="checkbox"/> Overhead hazards (elevated ropes, rigging, turn) <input type="checkbox"/> Other machines and operations <input type="checkbox"/> Anchor failure <input type="checkbox"/> Incorrect signals <input type="checkbox"/> Runaway logs from landing <input type="checkbox"/> Slash or butt ends rolling off landing <input type="checkbox"/> Hung up drag/turn <input type="checkbox"/> Dislodged rocks <input type="checkbox"/> Logs or debris <input type="checkbox"/> Too close to moving lines <p>Assessment Instruction: P – 10 from list</p>		
	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met

1068 – Describe Signals Used in Forestry

Locator	Questions			
General Yarding / General Mechanized Harvesting				
1.1	<p>What are the hand signals for:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Mainline ahead <input type="checkbox"/> Mainline ahead fast <input type="checkbox"/> Mainline ahead slow <input type="checkbox"/> Stop moving line <input type="checkbox"/> Slack the mainline <input type="checkbox"/> Ahead on haulback <input type="checkbox"/> Ahead on haulback slow <input type="checkbox"/> Slack the haulback <input type="checkbox"/> Tightline <input type="checkbox"/> Slack strawline <input type="checkbox"/> Lock brake lever <input type="checkbox"/> Ahead on strawline <input type="checkbox"/> Ahead on strawline slow <input type="checkbox"/> Slack mainline all off <input type="checkbox"/> Lower guyline <input type="checkbox"/> Slack the drop line <input type="checkbox"/> Ahead on the drop line <input type="checkbox"/> Raise the guyline <p>Assessment Instruction: S</p> <table border="1"> <tr> <td>Assessment:</td> <td><input type="checkbox"/> Outcome met</td> <td><input type="checkbox"/> Outcome not met</td> </tr> </table>	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met		
Locator	Questions			
1.2	<p>What is the signal process before blasting?</p> <ul style="list-style-type: none"> <input type="checkbox"/> 12 short whistle signals sounded at 1 second intervals <input type="checkbox"/> Two minutes elapse after the last warning signal before initiating the blast <input type="checkbox"/> After blast and inspection one prolonged whistle of at least 5 second duration must be sounded before permission granted to return announced by radio <p>Assessment Instruction: S</p> <table border="1"> <tr> <td>Assessment:</td> <td><input type="checkbox"/> Outcome met</td> <td><input type="checkbox"/> Outcome not met</td> </tr> </table>	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met		

Locator	Questions			
2.1	<p>What are the audible signals for yarding:</p> <ul style="list-style-type: none"><input type="checkbox"/> Extreme hazard present – <i>one solid until hazard is clear</i><input type="checkbox"/> Start Work – <i>one long</i><input type="checkbox"/> Stop at any moment – <i>one short</i><input type="checkbox"/> Mainline ahead – <i>three short</i><input type="checkbox"/> Slack the mainline – <i>five short</i><input type="checkbox"/> Slack the haulback – <i>two short, several short</i><input type="checkbox"/> Ahead on the haulback – <i>two short, two short</i><input type="checkbox"/> Tightline - <i>three short, two short</i><input type="checkbox"/> Tightline on inhaul – <i>three short, two short</i><input type="checkbox"/> Cancel tight line on inhaul – <i>three short</i><input type="checkbox"/> Ahead on strawline – <i>three short, one short</i><input type="checkbox"/> Slack the strawline – <i>three short, one short, several short</i><input type="checkbox"/> Pick up the guyline - <i>two short, two short, two short, one short</i><input type="checkbox"/> Slack the guyline – <i>two short, two short, two short</i><input type="checkbox"/> Accident – <i>seven long</i><input type="checkbox"/> Check rigging – <i>five short</i><input type="checkbox"/> Send out strawline extension – <i>three short, one short, one short for each extension required</i><input type="checkbox"/> Send out strawline in haulback eye – <i>three short, one long</i><input type="checkbox"/> Chokers required – <i>two short, one short, or one long for each choker required</i><input type="checkbox"/> Put on / take off scab block – <i>one long</i><input type="checkbox"/> Calling foreman – <i>four long</i><input type="checkbox"/> Calling Hooktender – <i>three long</i><input type="checkbox"/> Calling Hooktender and crew – <i>three long several short</i><input type="checkbox"/> Calling for water bag – <i>one short one long</i><input type="checkbox"/> Calling for block and strap – <i>one long one short</i> <p>Assessment Instruction: S</p>			
	<table><tr><td>Assessment:</td><td><input type="checkbox"/> Outcome met</td><td><input type="checkbox"/> Outcome not met</td></tr></table>	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met		

1013 – Describe Rigging Components and Basic Rigging Practices

Locator	Questions		
General Yarding			
1.2	<p>What are six major rigging components used in the block / setting / work area?</p> <div><input type="checkbox"/> Wire rope</div> <div><input type="checkbox"/> Blocks</div> <div><input type="checkbox"/> Straps</div> <div><input type="checkbox"/> Anchors</div> <div><input type="checkbox"/> Guylines</div> <div><input type="checkbox"/> Shackles</div> <div><input type="checkbox"/> Grapple</div> <div><input type="checkbox"/> Butt rigging</div> <div><input type="checkbox"/> Carriages</div> <p>Assessment Instruction: P – 6 from list</p>		
	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
2.1	<p>When conducting basic rigging (pulling strawline), name four things that must be considered.</p> <p>Pulling / stringing strawline:</p> <div><input type="checkbox"/> Jiggers in strawline</div> <div><input type="checkbox"/> Strawline hanging up</div> <div><input type="checkbox"/> Side binds</div> <div><input type="checkbox"/> Stability of logs</div> <div><input type="checkbox"/> Body position (ergonomics)</div> <div><input type="checkbox"/> Ground conditions (terrain constraints)</div> <p>Assessment Instruction: P -4 from list</p>		
	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met

2.2	<p>Which rigging components must be inspected and maintained?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Carriage knobs <input type="checkbox"/> Behind and inside plate <input type="checkbox"/> Block <input type="checkbox"/> Wire rope <input type="checkbox"/> Tailhold straps <input type="checkbox"/> Shackles <input type="checkbox"/> Butt rigging <input type="checkbox"/> Grapple <input type="checkbox"/> T bar plate <p>Assessment Instruction: S</p>			
	<table border="1" style="width: 100%;"> <tr> <td style="width: 40%;">Assessment:</td> <td style="width: 30%;"><input type="checkbox"/> Outcome met</td> <td style="width: 30%;"><input type="checkbox"/> Outcome not met</td> </tr> </table>	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met		
2.2	<p>When should wire rope be taken out of service?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Excessively worn <input type="checkbox"/> Wire rope is stranded <input type="checkbox"/> Wire rope is excessively kinked <input type="checkbox"/> Broken <input type="checkbox"/> Crystalized line <p>Assessment Instruction: P – 3 from list</p>			
	<table border="1" style="width: 100%;"> <tr> <td style="width: 40%;">Assessment:</td> <td style="width: 30%;"><input type="checkbox"/> Outcome met</td> <td style="width: 30%;"><input type="checkbox"/> Outcome not met</td> </tr> </table>	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met		
2.2	<p>When should a block be taken out of service?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Worn sheave <input type="checkbox"/> Worn pins <input type="checkbox"/> Worn goose neck <input type="checkbox"/> Cracked shell <input type="checkbox"/> Worn bearings <input type="checkbox"/> Missing bearing seal <p>Assessment Instruction: P – 4 from list</p>			
	<table border="1" style="width: 100%;"> <tr> <td style="width: 40%;">Assessment:</td> <td style="width: 30%;"><input type="checkbox"/> Outcome met</td> <td style="width: 30%;"><input type="checkbox"/> Outcome not met</td> </tr> </table>	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
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2.2	<p>When should a shackle or grapple component be taken out of service? (shackles, butt rigging, grapple, quick fix knobs)</p> <p><input type="checkbox"/> Links are worn</p> <p><input type="checkbox"/> Worn shackle pins</p> <p><input type="checkbox"/> Sheaves are worn on grapple</p> <p><input type="checkbox"/> Gnarled or no matching wedges</p> <p>Assessment Instruction: P – 2 from list</p>			
	<table border="1"> <tr> <td data-bbox="245 468 667 537">Assessment:</td> <td data-bbox="667 468 1076 537"><input type="checkbox"/> Outcome met</td> <td data-bbox="1076 468 1502 537"><input type="checkbox"/> Outcome not met</td> </tr> </table>	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met		
2.4	<p>When should a twister be used?</p> <p><input type="checkbox"/> Weak tailhold</p> <p><input type="checkbox"/> For pulling logs back</p> <p><input type="checkbox"/> When hanging on a tree</p> <p><input type="checkbox"/> Poor deflection</p> <p>Assessment Instruction: P – 3 from list</p>			
	<table border="1"> <tr> <td data-bbox="245 835 667 905">Assessment:</td> <td data-bbox="667 835 1076 905"><input type="checkbox"/> Outcome met</td> <td data-bbox="1076 835 1502 905"><input type="checkbox"/> Outcome not met</td> </tr> </table>	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
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2.4	<p>What hazards are involved when installing or removing a twister?</p> <p><input type="checkbox"/> Unsecure footing</p> <p><input type="checkbox"/> Struck by twister stick</p> <p><input type="checkbox"/> Wrapped up in line</p> <p><input type="checkbox"/> Loose clothing</p> <p>Assessment Instruction: P – 2 from list</p>			
	<table border="1"> <tr> <td data-bbox="245 1203 667 1272">Assessment:</td> <td data-bbox="667 1203 1076 1272"><input type="checkbox"/> Outcome met</td> <td data-bbox="1076 1203 1502 1272"><input type="checkbox"/> Outcome not met</td> </tr> </table>	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
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2.4	<p>How do you control the hazards of installing or removing a twister?</p> <p><input type="checkbox"/> Call to confirm</p> <p><input type="checkbox"/> Stay on high side and never let go of stick until firmly secured</p> <p><input type="checkbox"/> Get assistance</p> <p>Assessment Instruction: P – 1 from list</p>			
	<table border="1"> <tr> <td data-bbox="245 1585 667 1591">Assessment:</td> <td data-bbox="667 1585 1076 1591"><input type="checkbox"/> Outcome met</td> <td data-bbox="1076 1585 1502 1591"><input type="checkbox"/> Outcome not met</td> </tr> </table>	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
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1014 – Describe and Apply Advanced Rigging

Locator	Questions		
General Yarding			
2.6	What is the difference between a north / south bend? <div><input type="checkbox"/> North bend: the mainline runs through the fall block on the butt rigging and is anchored back to the carriage on the skyline</div> <div><input type="checkbox"/> South bend: the mainline runs through the fall block on the butt rigging, through a sheave on the carriage and is anchored back to the fall block on the butt rigging</div> <div>Assessment Instruction: S</div>		
	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met

1017 – Describe and Operate Tower

Locator	Questions		
Tower Operator			
1.3	Who can remove a lock out tag? <input type="checkbox"/> Only the person who put it on or through dialogue with the person who put it on Assessment Instruction: S		
	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
1.4	What things should be done when undergoing basic maintenance on a tower? <input type="checkbox"/> Grease/gear dope according to manufacturers' recommendations <input type="checkbox"/> Tighten belts <input type="checkbox"/> Adjust travel or line brakes <input type="checkbox"/> Check for air leaks <input type="checkbox"/> Check key components Assessment Instruction: P – 4 from list		
	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met

1018 – Set Tower

Locator	Questions		
Tower Operator			
2.1	What are the considerations when positioning a tower? <ul style="list-style-type: none"> <input type="checkbox"/> Safe location <input type="checkbox"/> Stable pad <input type="checkbox"/> Position in landing <input type="checkbox"/> Deflection <input type="checkbox"/> Availability and position of guyline anchor stump <input type="checkbox"/> Adequate log landing area <p style="color: red;">Assessment Instruction: S</p>		
	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met

1019 – Take Down Tower

Locator	Questions		
Tower Operator			
3.1	What are the considerations when setting up and taking down a tower? <ul style="list-style-type: none"> <input type="checkbox"/> All guylines are clear of obstructions <input type="checkbox"/> Front quarter guylines have appropriate tension <input type="checkbox"/> Rear guylines are monitored <input type="checkbox"/> Square guylines are monitored <input type="checkbox"/> Lifting cylinder in proper position <input type="checkbox"/> Hydraulic jacks stable <p style="color: red;">Assessment Instruction: P – 4 list</p>		
	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met

1020 – Move Tower

Locator	Questions			
Tower Operator				
1.1	<p>List the considerations when walking a tower between blocks?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Brake check <input type="checkbox"/> Know the route <input type="checkbox"/> Slope and grade <input type="checkbox"/> Where snub/pull is required <input type="checkbox"/> Crossings (bridges and culverts) <input type="checkbox"/> Power line locations <input type="checkbox"/> Corner radius <input type="checkbox"/> Is a pilot required? <input type="checkbox"/> Is a spotter required? <input type="checkbox"/> Monitor tracks (where applicable) <p style="color: red;">Assessment Instruction: P – 7 from list</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 40%;">Assessment:</td> <td style="width: 30%; text-align: center;"><input type="checkbox"/> Outcome met</td> <td style="width: 30%; text-align: center;"><input type="checkbox"/> Outcome not met</td> </tr> </table>	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
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3.1	<p>What should be considered when loading and offloading a tower?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Rigging is tied up and secure <input type="checkbox"/> Spotter in place and visible <input type="checkbox"/> Slow and easy on throttle <input type="checkbox"/> Brakes on after positioned on lowbed and chocked and chained <input type="checkbox"/> Balanced position on lowbed <p style="color: red;">Assessment Instruction: P – 4 from list</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 40%;">Assessment:</td> <td style="width: 30%; text-align: center;"><input type="checkbox"/> Outcome met</td> <td style="width: 30%; text-align: center;"><input type="checkbox"/> Outcome not met</td> </tr> </table>	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met
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Part 2 – Practical Assessment

General Instructions	
<p>To conduct the practical assessment, monitor the worker in a variety of situations to determine if they can consistently perform the skill components of their role in a safe and effective manner. Once confident that the worker can conduct the skills consistently, mark the outcome met. If the worker cannot consistently perform the skills required, add this component to the gap training plan.</p> <p>Remember not to distract the operator when conducting the practical assessment.</p>	
Training and Assessment Rubric	
Outcome Not Met (ONM)	<p>Skills: Can complete the task but only with direct instruction and supervision, may lack consistency in application.</p> <p>Knowledge: Does not understand what they are doing, or are not aware of a knowledge deficiency, or need guidance and support.</p> <p>Attributes: Displays limited or no professional attributes including being fit for work, prepared for the day, working in an organized manner, achieving work outcomes, or lacks in consistency.</p>
Outcome Met (OM)	<p>Skills: Consistently completes the task using safe work practices multiple times in a variety of contexts.</p> <p>Knowledge: Has a solid grasp of underpinning knowledge, consistently applies it, and can explain it.</p> <p>Attributes: Consistently displays professional attributes including being fit for work, prepared for the day, working in and organized manner and achieving work outcomes.</p>

A) PREPARE FOR THE DAY	OM	ONM	N/A
Arrived on time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clothing for conditions <ul style="list-style-type: none"> Layered clothing appropriate to the elements for working and transport conditions 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nutrition and water <ul style="list-style-type: none"> Adequate food for the day Sufficient hydration for work and weather conditions 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fit for work <ul style="list-style-type: none"> Candidate is physically able to do the task 3-point contact on and off machine Able to get up and down machine Able to perform simple maintenance Able to change attachments Can fit through escape hatch 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not noticeably impaired <ul style="list-style-type: none"> Candidate is not obviously physically or mentally impaired (by drugs, alcohol, personal situations, fatigue) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Knows where ERP is located 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

B) PERSONAL PROTECTIVE EQUIPMENT (where applicable)	OM	ONM	N/A
Hard hat <ul style="list-style-type: none"> CSA – less than 3 years old / ANSI – less than 5 years old No dents/cracks, modifications Suspension maintained (4-point min) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hi-Vis <ul style="list-style-type: none"> Minimum 120 square inches front and back Not faded, discoloured, torn or permanently dirty Contrasts with the work environment 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Leg protection <ul style="list-style-type: none"> Minimum 3600/4100 FPM rating Kevlar not compromised or exposed Pants maintained and repaired (no loose tears to outer layer) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Face/Eye protection <ul style="list-style-type: none"> • Face screen free of holes • Moves freely between down and raised position • Safety glasses used when appropriate 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hand protection <ul style="list-style-type: none"> • Not damaged and free of holes • Appropriate to weather conditions • Sized correctly for hands 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hearing protection <ul style="list-style-type: none"> • Minimum 24 NRR • Maintained and in working condition 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Footwear <ul style="list-style-type: none"> • Good condition including sole tread pattern • Must be laced 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has fire extinguisher in cab	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dust mask <ul style="list-style-type: none"> • NIOSH N95 compliant 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PPE inspected and maintained	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PPE used consistently as required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

C) COMMUNICATION	OM	ONM	N/A
Attend pre-work meetings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ensures hazards are understood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Communicates hazards throughout workday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Uses signals as required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Consistently communicates work plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Professional communication throughout workday	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

D) ERGONOMICS	OM	ONM	N/A
Lifts correctly (where applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Best practice for body position while operating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Walks safely in the bush (where applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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E) PRE AND POST INSPECTION AND MAINTENANCE OF TOWER	OM	ONM	N/A
Equipment manuals available	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pre-operational inspections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pre-operational inspections <ul style="list-style-type: none"> • Wire rope • Operators cab • Carriers • Fluids • Belts • Guylines 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Conducts post operational inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Locks out equipment (as required)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Checks signals are operating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

F) OPERATE TOWER	OM	ONM	N/A
Maintains 3-point contact on and off machine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operate in accordance with manufacturer's specifications	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change roads when required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operate tower smoothly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spool lines including change and upend lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run guylines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Work safely with other equipment and workers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitor performance of equipment while operating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Yard / pile logs <ul style="list-style-type: none"> • Plan and prepare for log landing • Stable piling • Spot the butt rigging • Logs piled in lay • Crew in clear • Working draws and ridges • Machine at safe angles 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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G) SET UP AND TAKE DOWN TOWER	OM	ONM	N/A
Equipment locked out	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maintain Tower <ul style="list-style-type: none"> • Inspection of sheaves (mainline, haul back, skyline) • Grease tower • Safety lines and guyline blocks 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plan Landing <ul style="list-style-type: none"> • Stable pad • Correct rigging math • Access • Position in landing • No diamond lead 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct Position <ul style="list-style-type: none"> • No side binds • Running clear 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Raise/Lower Tower <ul style="list-style-type: none"> • First stage hydraulic ram • First stage heel blocks (telescoping tower) 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Communicate with crew <ul style="list-style-type: none"> • Spotter • Hand signals • Voice signals • Radio or whistle signals 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

H) MOVE TOWER	OM	ONM	N/A
Plan route <ul style="list-style-type: none"> • Width of road • Radius of turns • Traffic • Powerlines • Railway overpasses • Overhead obstructions • Stream crossings 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equipment for job	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Risk assessment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load and unload machine <ul style="list-style-type: none"> • Spotter identified • Give and receive signals 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Secure equipment <ul style="list-style-type: none"> • Rigging and boom equipment placement on lowbed 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Check brake functions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lock out equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Communicate with crew	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

This is the last page of the assessment.

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Feedback is welcome and may be sent to training@bcforestsafes.org.



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BC Forest Safety