

# Grapple Yarder Operator Assessment

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

**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.bcforestsafes.org](http://www.bcforestsafes.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><b>Important Note:</b> Do not conduct competency conversation while operating equipment.</p>	
Training and Assessment Rubric	
Assessment Instruction	<p><b>S</b> - This means that the candidate must supply all responses listed, as the knowledge is <b>safety</b> critical or important.</p> <p><b>B</b> - This means the candidate must at a minimum verbalize the <b>bolded</b> responses, and additional responses are further proof of competence.</p> <p><b>P</b> - The candidate must give a <b>percentage</b> of responses correctly to reasonably show competence in the area.</p>

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

Locator	Questions			
<b>General Yarding / General Mechanized Harvesting</b>				
1.1	<p><b>Name five general hazards related to yarding and the means to control them.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Overloading of yarding system</li> <li><input type="checkbox"/> Unstable machinery</li> <li><input type="checkbox"/> Equipment in poor location</li> <li><input type="checkbox"/> Anchor failure</li> <li><input type="checkbox"/> Cable failure</li> <li><input type="checkbox"/> Runaway logs</li> <li><input type="checkbox"/> Unstable topography</li> <li><input type="checkbox"/> Phase congestion</li> <li><input type="checkbox"/> Communication failure</li> <li><input type="checkbox"/> Windthrow</li> </ul> <p><b>Assessment Instruction: P – 5 from list</b></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><b>Name five road change hazards and the means to control them.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Carrying heavy loads</li> <li><input type="checkbox"/> Handling wire rope</li> <li><input type="checkbox"/> Chainsaw use</li> <li><input type="checkbox"/> Wire rope failure</li> <li><input type="checkbox"/> Strap or anchor failure</li> <li><input type="checkbox"/> Flying debris</li> <li><input type="checkbox"/> Binds or bight</li> <li><input type="checkbox"/> Unplanned rope or wire rigging movement</li> <li><input type="checkbox"/> Tail hold failure</li> <li><input type="checkbox"/> Jiggers puncturing hands</li> <li><input type="checkbox"/> Unrecognized long logs</li> </ul> <p><b>Assessment Instruction: P – 5 from list</b></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><b>Name ten breaking out hazards and the means to control them.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Terrain obstructions</li> <li><input type="checkbox"/> The bight</li> <li><input type="checkbox"/> Unexpected log/deck movement</li> <li><input type="checkbox"/> Unplanned rigging movement</li> <li><input type="checkbox"/> Heavy undergrowth</li> <li><input type="checkbox"/> Wire rope and rigging</li> <li><input type="checkbox"/> Flying debris</li> <li><input type="checkbox"/> Overhead hazards (elevated ropes, rigging, turn)</li> <li><input type="checkbox"/> Other machines and operations</li> <li><input type="checkbox"/> Anchor failure</li> <li><input type="checkbox"/> Incorrect signals</li> <li><input type="checkbox"/> Runaway logs from landing</li> <li><input type="checkbox"/> Slash or butt ends rolling off landing</li> <li><input type="checkbox"/> Hung up drag/turn</li> <li><input type="checkbox"/> Dislodged rocks</li> <li><input type="checkbox"/> Logs or debris</li> <li><input type="checkbox"/> Too close to moving lines</li> </ul> <p><b>Assessment Instruction: P – 10 from list</b></p>		
	Assessment:	<input type="checkbox"/> Outcome met	<input type="checkbox"/> Outcome not met

## 1068 – Describe Signals Used in Forestry

Locator	Questions			
<b>General Yarding / General Mechanized Harvesting</b>				
1.1	<p><b>What are the hand signals for:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Mainline ahead</li> <li><input type="checkbox"/> Mainline ahead fast</li> <li><input type="checkbox"/> Mainline ahead slow</li> <li><input type="checkbox"/> Stop moving line</li> <li><input type="checkbox"/> Slack the mainline</li> <li><input type="checkbox"/> Ahead on haulback</li> <li><input type="checkbox"/> Ahead on haulback slow</li> <li><input type="checkbox"/> Slack the haulback</li> <li><input type="checkbox"/> Tightline</li> <li><input type="checkbox"/> Slack strawline</li> <li><input type="checkbox"/> Lock brake lever</li> <li><input type="checkbox"/> Ahead on strawline</li> <li><input type="checkbox"/> Ahead on strawline slow</li> <li><input type="checkbox"/> Slack mainline all off</li> <li><input type="checkbox"/> Lower guyline</li> <li><input type="checkbox"/> Slack the drop line</li> <li><input type="checkbox"/> Ahead on the drop line</li> <li><input type="checkbox"/> Raise the guyline</li> </ul> <p><b>Assessment Instruction: S</b></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
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1.2	<p><b>What is the signal process before blasting?</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> 12 short whistle signals sounded at 1 second intervals</li> <li><input type="checkbox"/> Two minutes elapse after the last warning signal before initiating the blast</li> <li><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</li> </ul> <p><b>Assessment Instruction: S</b></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
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Locator	Questions		
2.1	<p><b>What are the audible signals for yarding:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Extreme hazard present – <i>one solid until hazard is clear</i></li> <li><input type="checkbox"/> Start Work – <i>one long</i></li> <li><input type="checkbox"/> Stop at any moment – <i>one short</i></li> <li><input type="checkbox"/> Mainline ahead – <i>three short</i></li> <li><input type="checkbox"/> Slack the mainline – <i>five short</i></li> <li><input type="checkbox"/> Slack the haulback – <i>two short, several short</i></li> <li><input type="checkbox"/> Ahead on the haulback – <i>two short, two short</i></li> <li><input type="checkbox"/> Tightline - <i>three short, two short</i></li> <li><input type="checkbox"/> Tightline on inhaul – <i>three short, two short</i></li> <li><input type="checkbox"/> Cancel tight line on inhaul – <i>three short</i></li> <li><input type="checkbox"/> Ahead on strawline – <i>three short, one short</i></li> <li><input type="checkbox"/> Slack the strawline – <i>three short, one short, several short</i></li> <li><input type="checkbox"/> Pick up the guyline - <i>two short, two short, two short, one short</i></li> <li><input type="checkbox"/> Slack the guyline – <i>two short, two short, two short</i></li> <li><input type="checkbox"/> Accident – <i>seven long</i></li> <li><input type="checkbox"/> Check rigging – <i>five short</i></li> <li><input type="checkbox"/> Send out strawline extension – <i>three short, one short, one short for each extension required</i></li> <li><input type="checkbox"/> Send out strawline in haulback eye – <i>three short, one long</i></li> <li><input type="checkbox"/> Chokers required – <i>two short, one short, or one long for each choker required</i></li> <li><input type="checkbox"/> Put on / take off scab block – <i>one long</i></li> <li><input type="checkbox"/> Calling foreman – <i>four long</i></li> <li><input type="checkbox"/> Calling Hooktender – <i>three long</i></li> <li><input type="checkbox"/> Calling Hooktender and crew – <i>three long several short</i></li> <li><input type="checkbox"/> Calling for water bag – <i>one short, one long</i></li> <li><input type="checkbox"/> Calling for block and strap – <i>one long, one short</i></li> </ul> <p><b>Assessment Instruction: S</b></p>		
	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><b>What are six major rigging components used in the block / setting / work area?</b></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><b>When conducting basic rigging (pulling strawline), name four things that must be considered.</b></p> <p><b>Pulling / stringing strawline:</b></p> <div><input type="checkbox"/> Jaggers 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><b>Which rigging components must be inspected and maintained?</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Carriage knobs</li> <li><input type="checkbox"/> Behind and inside plate</li> <li><input type="checkbox"/> Block</li> <li><input type="checkbox"/> Wire rope</li> <li><input type="checkbox"/> Tailhold straps</li> <li><input type="checkbox"/> Shackles</li> <li><input type="checkbox"/> Butt rigging</li> <li><input type="checkbox"/> Grapple</li> <li><input type="checkbox"/> T bar plate</li> </ul> <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
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2.2	<p><b>When should wire rope be taken out of service?</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Excessively worn</li> <li><input type="checkbox"/> Wire rope is stranded</li> <li><input type="checkbox"/> Wire rope is excessively kinked</li> <li><input type="checkbox"/> Broken</li> <li><input type="checkbox"/> Crystalized line</li> </ul> <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
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2.2	<p><b>When should a block be taken out of service?</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Worn sheave</li> <li><input type="checkbox"/> Worn pins</li> <li><input type="checkbox"/> Worn goose neck</li> <li><input type="checkbox"/> Cracked shell</li> <li><input type="checkbox"/> Worn bearings</li> <li><input type="checkbox"/> Missing bearing seal</li> </ul> <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><b>When should a shackle or grapple component be taken out of service? (shackles, butt rigging, grapple, quick fix knobs)</b></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="245 451 667 520">Assessment:</td> <td data-bbox="667 451 1076 520"><input type="checkbox"/> Outcome met</td> <td data-bbox="1076 451 1502 520"><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><b>When should a twister be used?</b></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="245 819 667 888">Assessment:</td> <td data-bbox="667 819 1076 888"><input type="checkbox"/> Outcome met</td> <td data-bbox="1076 819 1502 888"><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><b>What hazards are involved when installing or removing a twister?</b></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 1186 667 1255">Assessment:</td> <td data-bbox="667 1186 1076 1255"><input type="checkbox"/> Outcome met</td> <td data-bbox="1076 1186 1502 1255"><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><b>How do you control the hazards of installing or removing a twister?</b></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 1564 667 1570">Assessment:</td> <td data-bbox="667 1564 1076 1570"><input type="checkbox"/> Outcome met</td> <td data-bbox="1076 1564 1502 1570"><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
<b>General Yarding</b>	
2.6	<p><b>What is the difference between a north / south bend?</b></p> <p><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</p> <p><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</p> <p><b>Assessment Instruction: S</b></p>
	<p>Assessment:</p> <p><input type="checkbox"/> Outcome met <input type="checkbox"/> Outcome not met</p>

## 1021 – Describe and Operate Grapple Yarder

Locator	Questions
<b>General Yarding</b>	
1.7	<p><b>Who can remove a lock out tag?</b></p> <p><input type="checkbox"/> Only the person who put it on or through dialogue with the person who put it on</p> <p><b>Assessment Instruction: S</b></p>
	<p>Assessment:</p> <p><input type="checkbox"/> Outcome met <input type="checkbox"/> Outcome not met</p>
3.1	<p><b>What do you check before sending the strawline out?</b></p> <p><input type="checkbox"/> Haulback spool</p> <p><b>Assessment Instruction: S</b></p>
	<p>Assessment:</p> <p><input type="checkbox"/> Outcome met <input type="checkbox"/> Outcome not met</p>

## 1022 – Move Equipment

Locator	Questions			
General Yarding				
1.2	<p><b>What considerations should be given when matching equipment prior to snubbing or pulling?</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> Availability of equipment for assistance</li><li><input type="checkbox"/> Grade of slope</li><li><input type="checkbox"/> Size and stability of equipment and wire rope</li><li><input type="checkbox"/> Braking capabilities</li><li><input type="checkbox"/> Traction</li><li><input type="checkbox"/> Corners</li><li><input type="checkbox"/> Speed and Power</li></ul> <p>Assessment Instruction: P – 4 from list</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
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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	
<b>Outcome Not Met (ONM)</b>	<p><b>Skills:</b> Can complete the task but only with direct instruction and supervision, may lack consistency in application.</p> <p><b>Knowledge:</b> Does not understand what they are doing, or are not aware of a knowledge deficiency, or need guidance and support.</p> <p><b>Attributes:</b> 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>
<b>Outcome Met (OM)</b>	<p><b>Skills:</b> Consistently completes the task using safe work practices multiple times in a variety of contexts.</p> <p><b>Knowledge:</b> Has a solid grasp of underpinning knowledge, consistently applies it, and can explain it.</p> <p><b>Attributes:</b> 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
<b>Arrived on time</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Clothing for conditions</b> <ul style="list-style-type: none"> <li>Layered clothing appropriate to the elements for working and transport conditions</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Nutrition and water</b> <ul style="list-style-type: none"> <li>Adequate food for the day</li> <li>Sufficient hydration for work and weather conditions</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Fit for work</b> <ul style="list-style-type: none"> <li>Candidate is physically able to do the task</li> <li>3-point contact on and off machine</li> <li>Able to get up and down machine</li> <li>Able to perform simple maintenance</li> <li>Able to change attachments</li> <li>Can fit through escape hatch</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Not noticeably impaired</b> <ul style="list-style-type: none"> <li>Candidate is not obviously physically or mentally impaired (by drugs, alcohol, personal situations, fatigue)</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Knows where ERP is located</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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

<b>C) PRE-WORK ACTIVITIES</b>	<b>OM</b>	<b>ONM</b>	<b>N/A</b>
<b>Equipment manuals available</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Inspects cables and guylines</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Pre-start equipment checks</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Checks signaling devices are operating</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Ensures clearance in swing zone of grapple yarder</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Determines orientation and conditions</b> <ul style="list-style-type: none"> <li>• Block slope orientation, soil conditions, limitations</li> <li>• Type of terrain</li> <li>• Log landing areas</li> <li>• Corridors</li> <li>• Cross slope movement of lines</li> <li>• Windthrow</li> <li>• Riparian management zones</li> <li>• Trespass</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Develops a grapple yarder site</b> <ul style="list-style-type: none"> <li>• Works with Hook Tender</li> <li>• Removing danger trees</li> <li>• Avoiding natural obstacles</li> <li>• Processing and yarding considerations and loading</li> <li>• Never yarding straight downhill in machine on steep ground where runaway logs can hit machine</li> <li>• Road layout</li> <li>• Suitable anchors</li> <li>• Notch and secure stump</li> <li>• Set correct guylines</li> <li>• Phase coordination (where applicable)</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Start-up procedures</b> <ul style="list-style-type: none"> <li>• Maintain 3-point contact on and off machine</li> <li>• Check gauges</li> <li>• Warning systems</li> <li>• Start and warm up hydraulics</li> <li>• Check transmission</li> <li>• Lights</li> <li>• Wipers</li> <li>• Seatbelt</li> <li>• Lock out</li> <li>• Parking brake</li> <li>• All controls and major systems</li> <li>• Housekeeping</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>D) COMMUNICATION</b>	<b>OM</b>	<b>ONM</b>	<b>N/A</b>
Attends 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"/>

<b>E) ERGONOMICS</b>	<b>OM</b>	<b>ONM</b>	<b>N/A</b>
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"/>

<b>F) OPERATE GRAPPLE YARDER</b>	<b>OM</b>	<b>ONM</b>	<b>N/A</b>
Maintains 3-point contact on and off machine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operates in accordance with manufacturer's specifications	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Changes roads when required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operates grapple yarder smoothly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spools lines including change and upend lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Runs guylines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Moves grapple yarder safely within block	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Works safely with other equipment and workers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Monitors performance of equipment while operating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Communicates hazards with hooktender while spotting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Follows voice commands when spotting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Yard / pile logs</b> <ul style="list-style-type: none"> <li>• Plan and prepare for log landing</li> <li>• Stable piling</li> <li>• Logs piled in lay</li> <li>• Crew in clear</li> <li>• Working draws and ridges</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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G) COMPLETE TASKS	OM	ONM	N/A
<b>Shut down procedures</b> <ul style="list-style-type: none"> <li>• Safe parking location</li> <li>• Grapple to the ground</li> <li>• Brakes applied</li> <li>• Lower boom / blade / attachments</li> <li>• Position for ease of access and egress</li> <li>• Cool down before shut-down</li> <li>• Walk around and general check</li> <li>• Secure / lock machine</li> <li>• 3-point contact on and off</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Daily maintenance tasks</b> <ul style="list-style-type: none"> <li>• Lubrication systems</li> <li>• Greasing</li> <li>• Air system reservoir</li> <li>• Water separator</li> <li>• Fuel filters</li> <li>• Inspect and clean components</li> <li>• Housekeeping</li> <li>• Fueling</li> <li>• Check for leaks</li> </ul>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Basic repairs</b> <ul style="list-style-type: none"> <li>• Change hydraulic hoses / fittings / O-rings</li> <li>• Fuel / air filter</li> <li>• Fuel filter</li> <li>• Adjust belt tension</li> <li>• Battery terminals</li> <li>• Fluid levels</li> <li>• Repair air lines</li> <li>• Change air valves and components</li> </ul>	<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@bcforestsafe.org](mailto:training@bcforestsafe.org).



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**BC Forest Safety**