

# Syllabus Report (SYL)

## CorePass® Chainsaw Operator



7033:2024

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<b>IQF Level</b>	2	<b>IQF Credit</b>	2
<b>Approved References</b>	The Chainsaw Safety System: Surefire Methods for Cooperative Tree Cutting in Any Situation (Oslund, 2019)   The Comprehensive Chainsaw Maintenance Guidebook: Guidance, Tips, and Tricks to Keep Your Chainsaw Running at Peak Performance (Maichack, 2020)   Chainsaw Manual for Homeowners, Revised Edition: Learn to Safely Use Your Saw to Trim Trees, Cut Firewood, and Fell Trees (Ruth, 2018)   Modern Lumberjacking: Felling Trees, Using the Right Tools, and Observing Vital Safety Techniques (McDougall, 2016).		
<b>Special Notes</b>	The practical assessment must be conducted in a realistic work environment using a chainsaw with a guide bar length appropriate for cross cutting operations (typically 14-20 inches). Small diameter logs for the purposes of the assessment are 10-34cm in diameter.		

### Explain the principles of chainsaw operation and design. 703324D01

**Performance** Explain the principles of chainsaw operation and design.

**Standards** In accordance with approved references, manufacturers instructions and organisational doctrine.

**Conditions**

**Comments**

### Identify the main components of a chainsaw and their functions. 703324D02

**Performance** Identify the main components of a chainsaw and their functions.

**Standards** In accordance with approved references, manufacturers instructions and organisational doctrine.

**Conditions**

**Comments**

### Describe the personal protective equipment (PPE) required for chainsaw operation. 703324D03

**Performance** Describe the personal protective equipment (PPE) required for chainsaw operation.

**Standards** In accordance with approved references, manufacturers instructions and organisational doctrine.

**Conditions**

**Comments** Range: safety helmet, eye protection, hearing protection, high visibility clothing, leg protection, safety footwear.

### Outline the potential hazards and risks associated with chainsaw use. 703324D04

**Performance** Outline the potential hazards and risks associated with chainsaw use.

**Standards** In accordance with approved references, manufacturers instructions and organisational doctrine.

**Conditions**

**Comments**

**Explain the importance of maintaining proper stance and grip while operating a chainsaw.** 703324D05

Performance Explain the importance of maintaining proper stance and grip while operating a chainsaw.  
Standards In accordance with approved references, manufacturers instructions and organisational doctrine.  
Conditions  
Comments

**Describe the correct procedures for starting and stopping a chainsaw.** 703324D06

Performance Describe the correct procedures for starting and stopping a chainsaw.  
Standards In accordance with approved references, manufacturers instructions and organisational doctrine.  
Conditions  
Comments

**Identify the different types of cuts used in cross cutting operations.** 703324D07

Performance Identify the different types of cuts used in cross cutting operations.  
Standards In accordance with approved references, manufacturers instructions and organisational doctrine.  
Conditions  
Comments

**Explain the importance of proper chain tension and sharpness.** 703324D08

Performance Explain the importance of proper chain tension and sharpness.  
Standards In accordance with approved references, manufacturers instructions and organisational doctrine.  
Conditions  
Comments

**Describe the environmental considerations when operating a chainsaw.** 703324D09

Performance Describe the environmental considerations when operating a chainsaw.  
Standards In accordance with approved references, manufacturers instructions and organisational doctrine.  
Conditions  
Comments

**Outline the basic maintenance requirements for a chainsaw.** 703324D10

Performance Outline the basic maintenance requirements for a chainsaw.  
Standards In accordance with approved references, manufacturers instructions and organisational doctrine.  
Conditions  
Comments

**Explain the principles of kickback and how to prevent it.** 703324D11

Performance Explain the principles of kickback and how to prevent it.  
Standards In accordance with approved references, manufacturers instructions and organisational doctrine.  
Conditions  
Comments

<b>Identify relevant legislation and industry standards for chainsaw operation</b>	<b>703324D12</b>
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Performance	Identify the relevant legislation and industry standards for chainsaw operation in the candidate's jurisdiction.
Standards	In accordance with local laws and regulations.
Conditions	
Comments	

<b>Describe emergency procedures for chainsaw operations</b>	<b>703324D13</b>
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Performance	Describe the emergency procedures to be followed in case of an accident or injury during chainsaw operation
Standards	In accordance with approved references, manufacturers instructions and organisational doctrine.
Conditions	
Comments	

<b>Explain fault reporting procedures for chainsaws.</b>	<b>703324D14</b>
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Performance	Explain fault reporting procedures for chainsaws.
Standards	In accordance with approved references, manufacturers instructions and organisational doctrine.
Conditions	
Comments	Range: forms, notification, tagging.

<b>Conduct a pre-operational safety check of the chainsaw and work area.</b>	<b>703324D15</b>
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Performance	Conduct a pre-operational safety check of the chainsaw and work area.
Standards	In accordance with approved references, manufacturers instructions and organisational doctrine.
Conditions	
Comments	

<b>Don and check personal protective equipment for chainsaw operation.</b>	<b>703324D16</b>
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Performance	Don and check personal protective equipment (PPE) for chainsaw operation.
Standards	In accordance with approved references, manufacturers instructions and organisational doctrine.
Conditions	
Comments	Range: safety helmet, eye protection, hearing protection, high visibility clothing, leg protection, safety footwear.

<b>Start and stop the chainsaw safely using approved methods.</b>	<b>703324D17</b>
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Performance	Start and stop the chainsaw safely using approved methods.
Standards	In accordance with approved references, manufacturers instructions and organisational doctrine.
Conditions	
Comments	

<b>Demonstrate correct stance and grip while operating the chainsaw.</b>	<b>703324D18</b>
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Performance	Demonstrate correct stance and grip while operating the chainsaw.
Standards	In accordance with approved references, manufacturers instructions and organisational doctrine.
Conditions	
Comments	Range: body positioning, ergonomic principles.

<b>Perform basic cross cuts on small diameter log using chainsaw.</b>	<b>703324D19</b>
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Performance	Perform basic cross cuts on small diameter logs using appropriate cutting techniques.
Standards	In accordance with approved references, manufacturers instructions and organisational doctrine.
Conditions	
Comments	

<b>Demonstrate safe working practices when using chainsaws.</b>	<b>703324D20</b>
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Performance	Demonstrate safe working practices when using chainsaws.
Standards	In accordance with approved references, manufacturers instructions and organisational doctrine.
Conditions	
Comments	Range: risk assessment, responding to hazards, on-site communication and signals, wearing of PPE, fatigue management, carrying chainsaw, handling of chainsaw and fuel, clearing debris and small branches from worksite, visual tree assessment prior to cutting.

<b>Identify and mark tension and compression wood before making cuts.</b>	<b>703324D21</b>
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Performance	Identify and mark tension and compression wood before making cuts.
Standards	In accordance with approved references, manufacturers instructions and organisational doctrine.
Conditions	
Comments	

<b>Perform basic maintenance tasks on chainsaw.</b>	<b>703324D22</b>
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Performance	Perform basic maintenance tasks on chainsaw.
Standards	In accordance with approved references, manufacturers instructions and organisational doctrine.
Conditions	
Comments	Range: filter cleaning, chain lubrication, replace spark plug, tensioning chain, sharpening chain, refueling.

<b>Clean and store the chainsaw and PPE after use</b>	<b>703324D23</b>
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Performance	Clean and store the chainsaw and PPE after use.
Standards	In accordance with approved references, manufacturers instructions and organisational doctrine.
Conditions	
Comments	

<b>Apply appropriate cutting techniques to prevent binding of the chainsaw.</b>	<b>703324D24</b>
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Performance	Apply appropriate cutting techniques to prevent binding of the chainsaw.
Standards	In accordance with approved references, manufacturers instructions and organisational doctrine.
Conditions	
Comments	

<b>Demonstrate the use of wedges for effective chainsaw operation.</b>	<b>703324D25</b>
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Performance	Demonstrate the use of wedges to assist in directional falling and to prevent binding.
Standards	In accordance with approved references, manufacturers instructions and organisational doctrine.
Conditions	
Comments	

**Demonstrate the correct procedure for removing a trapped chainsaw.** 703324D26

Performance Demonstrate the correct procedure for removing a trapped chainsaw.  
Standards In accordance with approved references, manufacturers instructions and organisational doctrine.  
Conditions  
Comments

**Perform basic troubleshooting of common chainsaw operational issues.** 703324D27

Performance Perform basic troubleshooting of common chainsaw operational issues.  
Standards In accordance with approved references, manufacturers instructions and organisational doctrine.  
Conditions  
Comments

**Demonstrate the ability to accurately measure and mark logs for cross cutting.** 703324D27

Performance Demonstrate the ability to accurately measure and mark logs for cross cutting.  
Standards In accordance with approved references, manufacturers instructions and organisational doctrine.  
Conditions  
Comments