A publication of the National Wildfire Coordinating Group



NWCG Position Task Book for Basic Faller (FAL3)

PMS 311-119

MARCH 2025

Initiation	
Trainee's Name:	Initiated By:
Home Unit/Agency:	Title:
Home Unit Address:	Home Unit/Agency:
	Phone Number:
Phone Number:	Date:
IQCS/IQS#:	

Verification

I verify that	has successfully performed the tasks of the position,
as documented on position evaluation records an considered for certification in the position.	nd the position evaluation table, and should be
considered for contineation in the position.	

Final Evaluator Name:	Phone Number:
Title:	Home Unit/Agency:
Signature:	Date:

Agency Certification

I certify that _____ has met all the requirements for qualification in the position and that such qualification may be issued.

Certifying Official Name:	Phone Number:
Title:	Home Unit/Agency:
Signature:	Date:

INSTRUCTIONS FOR NWCG NEXT GENERATION POSITION TASK BOOK

The Next Generation Position Task Books (Next Gen PTBs) are designed to provide a format that enhances the feedback an evaluator provides to a trainee. An evaluator using the Next Gen PTB has a mechanism to rate how well the trainee performs each task and to provide written narratives to accompany the evaluation ratings using the position evaluation records.

The Next Gen PTB has three components: The SIGNATURE PAGE, POSITION EVALUATION TABLE, and POSITION EVALUATION RECORDS.

SIGNATURE PAGE:

The signature page documents three phases of the Next Gen PTB: initiation, verification, and agency certification.

The initiation block is filled out by the home unit/agency when the Next Gen PTB is issued. It indicates that the designated individual is recognized by the home unit/agency as a trainee in the position.

The verification block is completed by the final evaluator once the trainee has successfully met or exceeded satisfactory performance of all tasks in the Next Gen PTB and is recommended for certification by the final evaluator.

The agency certification block is completed by the certifying official of the home unit/agency. It provides a record that the trainee has been certified and is qualified in the position.

POSITION EVALUATION TABLE:

The position evaluation table is used to record the evaluations that a trainee receives for each training assignment. A rating must be provided for each task in the position evaluation table on every training assignment.

The position evaluation table lists the tasks <u>required to be evaluated</u> for successful performance in the position. See the *NWCG Standards for Wildland Fire Chainsaw Operations*, PMS 212, for explanations of each task. Additional tasks that are not required to be evaluated are covered in *NWCG Standards for Wildland Fire Chainsaw Operations*, PMS 212. These tasks still represent standards for successful performance in the position and should be included in a comprehensive training assignment.

The Next Gen PTB includes four columns to record ratings for each task. If the training assignment is not the first assignment for a trainee, the evaluator should review the position evaluation table and position evaluation records of the previous training assignments. A trainee does not have to complete four training assignments to be recommended for certification. The home unit will determine the appropriate number of assignments. If additional training assignments are needed, a second position evaluation table should be utilized and attached to the PTB.

Each task <u>must</u> be rated during each training assignment. The evaluator will rate the performance of the tasks as follows:

N/O = No opportunity to perform the task.

- \mathbf{D} = Does not meet the standard for the task as described in PMS 212.
- \mathbf{M} = Meets the standard for the task as described in PMS 212.
- \mathbf{E} = Exceeds the standard for the task as described in PMS 212.

The evaluator will indicate their rating of the trainee's performance by marking their rating (N/O, D, M or E) in the column for each task in the position evaluation table. If the trainee does not meet the standard (i.e., is rated D for a task), the evaluator <u>must</u> provide written explanation with suggestions for improvement in the position evaluation record. This may include redirecting the trainee to the Incident Position Standards for review. Written feedback is encouraged for all other ratings. Prior to certification, the trainee must attain a rating of M or E for each of the identified tasks.

Each task has a code associated with the type of training assignment where the task must be completed. Tasks must be evaluated on the specific types of incidents/events for which they are coded. If multiple codes are listed for a task, the task must be evaluated on one of the listed incidents/events. For example, W/S indicates the task must be performed on a wildfire or during a simulation. The codes are defined as:

I = **Incident**: Task must be performed on an incident managed under the Incident Command System (ICS). Examples include wildland fire, structural fire, oil spill, search and rescue, hazardous material, and an emergency or non-emergency (planned prescribed fire or unplanned) event.

W = **Wildfire**: Task must be performed on a wildfire incident.

RX = Prescribed fire: Task must be performed on a prescribed fire incident.

 $\mathbf{R} = \mathbf{Rare event}$: Rare events such as accidents, injuries, vehicle, or aircraft crashes occur infrequently and opportunities to evaluate performance in a real setting are limited. The evaluator should determine, through interview, if the trainee would be able to perform the task in a real situation.

S = Simulation: Task must be performed during a simulation. The simulation activity must realistically mimic the task and allow the evaluator to determine if the trainee would be able to perform the task in a real situation. Resources are available on the NWCG Leadership Committee's Tactical Decision Games webpage <u>https://www.nwcg.gov/wfldp/toolbox/tdgs</u>.

O = **Other**: In any situation (classroom, simulation, daily job, incident, prescribed fire, etc.)

POSITION EVALUATION RECORD:

The position evaluation record is used to document the specific details of each training assignment, and to document the evaluator's final recommendation regarding position certification. A new position evaluation record is required for each training assignment.

Position Evaluation Record Number

Each evaluator will need to complete a position evaluation record. Each position evaluation record should be numbered sequentially. Place this number at the top of the position evaluation record page and use this number to determine which column to rate the trainee in the position evaluation table.

Trainee Information

Print the trainee's name and indicate if the assignment is virtual.

Evaluator Information

Print the evaluator's name, position on the incident/event, IQCS/IQS number, home unit/agency, and the home unit/agency address and phone number. Evaluators must be qualified as an Intermediate Faller (FAL2) or Advanced Faller (FAL1). The evaluator's relevant qualification field is below the evaluator's signature line on the position evaluation record.

Incident/Event Information

Incident/Event Name: Print the incident/event name.

Reference: Enter the incident code and/or fire code.

Duration: Enter inclusive dates during which the trainee was evaluated.

Incident Kind: Check the kind of incident and specify if other (e.g., search, and rescue, flood, etc.).

Location: Enter the geographic area, agency, and state.

Management Type or Prescribed Fire Complexity Level: Check the ICS organization level or the prescribed fire complexity level.

Fire Behavior Prediction System (FBPS) Fuel Model Group: Check the fuel model group that corresponds to the predominant fuel type in which the incident/event occurred.

Grass Group (includes FBPS Fuel Models 1 - 3): 1 = short grass (1 foot); 2 = timber with grass understory; 3 = tall grass ($1\frac{1}{2} - 2$ feet)

Brush Group (includes FBPS Fuel Models 4 - 6): 4 = chaparral (6 feet); 5 = brush (2 feet); 6 = dormant brush/hardwood slash; 7 = southern rough

Timber Group (includes FBPS Fuel Models 8 - 10): 8 = closed timber litter; 9 = hardwood litter; 10 = timber (with litter understory)

Slash Group (includes FBPS Fuel Models 11 - 13): 11 =light logging slash; 12 = medium logging slash; 13 = heavy logging slash

Evaluator's Recommendation

The last block in the position evaluation record is for the evaluator's recommendation of trainee. The evaluator will initial only one line 1-3. If the evaluator is recommending the trainee for certification, the evaluator will also fill out the verification block of the Signature Page.

Remarks on Individual Performance

This section provides space for written narrative of the trainee's performance. If the trainee does not meet the standard (i.e., is rated D for a task), the evaluator <u>must</u> provide written explanation with suggestions for improvement on the position evaluation record. This may include redirecting the trainee to the Incident Position Standards for review. Written feedback is encouraged for all other ratings. This is meant as an opportunity to provide informative and constructive feedback to the trainee and the trainee's home unit, so they know what to focus on in the future.

At the conclusion of the training assignment, the evaluator and trainee should discuss the training assignment, ratings, and evaluator recommendations. When this is done, the trainee, and evaluator will sign and date the position evaluation record on the lines indicated.

Additionally, the Next Gen PTB can be used as an evaluation tool for qualified individuals.

COMPLETION OF A NEXT GEN PTB:

When an evaluator recommends a trainee for certification, the trainee is responsible for ensuring the Next Gen PTB is complete and submitted to the home unit/agency for review by the certifying official. The complete Next Gen PTB package includes the signature page with the verification block signed by the final evaluator, the position evaluation table, and every position evaluation record.

Basic Faller (FAL3) Evaluation Guide: Suggested items to consider when rating PTB tasks. Each item listed does not need to be completed. This should be used as a reference and guide during evaluation.

Safety Equipment	Chainsaw Maintenance	Saw Handling and Operations
 Head, eye and hearing protection Long-sleeved shirt Gloves Boots Chaps First aid kit Whistle, radio, cell phone Axe, wedges, and other equipment Tool kit Approved fuel/oil containers 	 Correctly removes and re-installs bar and chain Correctly tensions chain Checks air filter Discusses fuel geyser preventative measures Proper fueling procedure Demonstrates field sharpening Ensure interval specific maintenance is completed, per manufacturer's recommendation 	 Demonstrates safety check Correct chain brake use Correct starting procedures Correct body position Chain brake use Foot travel with chainsaw Demonstrates reactive forces (saw off) Understands correct boring procedures Understands spring pole mitigation
Procedural Sizeup	Bucking	Limbing
 Identifying the objective Identifying the known hazards Recognizing leans or binds Developing an escape plan Developing a cutting plan Determining complexity Making a Go/No-Go decision Complexity Indicators: Human Factors Work Area and Cutting Area Control Overhead and Ground Hazard Analysis Environment (weather, terrain, etc.) Quality of wood (bore as needed) Stand Condition (overall health) Hang-ups, leaners, snags Height/DBH 	 Procedural sizeup Communication method with saw crew Reassess cutting plan if and when needed Binds: tension, compression, torsion analysis Axe use and general technique Severe side bind and multiple bind situations Kerf observation Use of compound cuts Wedging procedure Bucking sequence Under bucking and over bucking technique 	 Procedural sizeup Communication with team Powerhead below shoulder height Swamp out of work area Limb removal sequence Kickback recognition
Brushing	Felling	Stump Analysis
 Procedural sizeup Communication with team Swamp out of work area Stem removal sequence Disposal plan Kickback recognition 	 Procedural sizeup Establish cutting area control Plumbing of lean (determination of lay) Use of gunning sights Undercut/face cut Warning shout Back cut Proper body position/looking up Procedure alteration (if necessary) Wedging procedure Saw removal Escape plan Exposure time at stump 	 Felled to desired lay Undercut/face cut Back cut Stump shot Hinge/holding wood



NWCG POSITION EVALUATION TABLE BASIC FALLER (FAL3)

Trainee Name: _____

All tasks must be evaluated and assigned one of the four ratings for each assignment. If the trainee does not meet the standard (i.e., is rated D for a task), the evaluator <u>must</u> provide written explanation with suggestions for improvement on the position evaluation record. Written feedback is encouraged for all other ratings.

N/O = No opportunity to perform the task.

 \mathbf{D} = Does not meet the standard for the task as described in PMS 212.

M = Meets the standard for the task as described in PMS 212.

 \mathbf{E} = Exceeds the standard for the task as described in PMS 212.

*For further information about each task see the *NWCG Standards for Wildland Fire Chainsaw Operations*, PMS 212.

	Leadership Level 1, Follower	CODE	DE Position Evaluation Record Number				
	(Provide Action)		1	2	3	4	
1	Followers have several responsibilities: to become competent in basic job skills, take initiative, learn from others, ask questions, and develop communication skills.	0					

	Prepare and Mobilize	CODE	Position Evaluation Record Number			
			1	2	3	4
2	Comply with FAL3 position standards as defined in <i>NWCG</i> <i>Standards for Wildland Fire Chainsaw Operations</i> , PMS 212, and established agency standards for saw operating procedures.	0				
3	Maintain mental and physical readiness, a positive attitude, and willingness to learn.	0				
4	Gather critical information pertinent to the assignment.	0				
5	Ensure individual and equipment readiness. Have proper PPE, chainsaw kit, necessary forms, and reference material (e.g., PTB, <i>IRPG</i>).	0				
6	Travel to work site or assignment and check in with supervisor or dispatch upon arrival.	0				
7	Actively participate in initial briefing from supervisor.	0				

	Build the Team	CODE	Position Evaluation Record Number			
			1	2	3	4
8	Coordinate with swamper and other team members to learn their role and strengthen the team.	О				
9	Consider the impacts of human factors and crew dynamics on job performance and safety.	О				

	Perform Basic Faller Specific Duties	CODE		Position Evaluation Record Number		
			1	2	3	4
10	Demonstrate a basic knowledge of chainsaw components.	0				
11	Conduct a chainsaw safety check.	0				
12	Safely start and handle the chainsaw during saw operations.	0				
13	Utilize correct techniques and body position for operating the chainsaw.	0				
14	Discuss reactive forces and their causes, including bind and kickback.	0				
15	Identify tree species groups and common structural defects that may contribute to failure.	0				
16	 Perform the required elements of a procedural sizeup, and any critical considerations that could affect each element. Identify the objective of the cutting operation. Identify the known hazards of the operation. Recognize leans or binds that may be present. Develop an escape plan. Develop a cutting plan. Determine complexity. Make a Go/No-Go decision. 	0				
17	After performing a procedural sizeup, safely execute a cut plan to resolve a low complexity bucking operation using accepted practices.	0				
18	After performing a procedural sizeup, safely execute a cut plan to resolve a low complexity limbing operation using accepted practices.	0				
19	After performing a procedural sizeup, safely execute a cut plan to resolve a low complexity brushing operation using accepted practices.	О				

	Perform Basic Faller Specific Duties	CODE	Position Evaluation Record Number			
			1	2	3	4
20	After performing a procedural sizeup, safely execute a cut plan to resolve a low complexity felling operation using accepted practices.	0				
21	Recognize changes in complexity or deviation from initial cut plan, verbalize corrections, and reinitiate procedural sizeup.	О				
22	Perform a self-assessment and analysis of saw operation (e.g., stump analysis, bucking analysis).	0				

	Communicate and Coordinate	CODE	Position Evaluation Record Number			
			1	2	3	4
23	Receive a briefing, ask clarifying questions, and voice concerns related to saw operation specifications and expectations.	0				
24	Establish and maintain positive communication and coordination with saw teams, crew, adjoining resources, and supervisors in the work area.	0				
25	Participate in debriefing, After Action Reviews (AARs), and information sharing.	0				

	Manage Risk	CODE	Position Evaluation Record Number			
			1	2	3	4
26	Apply the Risk Management Process as stated in the <i>NWCG</i> <i>Incident Response Pocket Guide (IRPG)</i> , PMS 461.	0				
27	Evaluate fire behavior, fuels, topography, and weather factors throughout the entire operational period. Maintain situational awareness and evaluate the need for Lookouts, Communications, Escape Routes, and Safety Zones (LCES) to all saw operations.	0				
28	Ensure a medical plan is in place for the current or planned saw operation. Ensure familiarity with the medical plan and response to an Incident Within an Incident (IWI).	0				
29	Establish and maintain work area control.	0				
30	Establish and maintain cutting area control, including when using a swamper.	0				
31	Identify change in the operational complexity of the assignment and report pertinent changes to the appropriate supervisor.	0				

		Manage Risk	CODE		Position Evaluation Record Number			
I				1	2	3	4	
	32	Report all accidents, injuries, or near misses to supervisor. Promote and foster a learning culture.	0					

	Demobilize	CODE	Position Evaluation Record Number			
			1	2	3	4
33	Ensure equipment is in good working condition for the next operational period and resupply used or damaged equipment as necessary.	0				
34	In coordination with supervisor, return equipment and supplies to appropriate units as necessary.	О				

	Trainee Information		
Printed Name:	Virtual Assignment: Yes No		
Position on Incident/Event:			
	Evaluator Information		
Printed Name:	Evaluator Position on Incident/Event:		
Home Unit/Agency:	Evaluator IQCS/IQS #:		
Home Unit /Agency Address and Phone	Number:		
	Incident/Event Information		
ncident/Event Name: Reference (Incident Number/Fire Code):			
Duration:			
Location (include Geographic Area, Age	ncy, and State):		
Incident Kind: Wildfire Prescribed H	Fire All Hazard Other (specify):		
Management Type: Type 5 Type 4	Type 3 Type 2 Type 1 Complex Area Command		
OR Prescribed Fire Complexity Level: I	Low Moderate High		
FBPS Fuel Model: Grass Brush	Timber Slash		
	Evaluator's Recommendation nitial only one line as appropriate)		
1) The trainee meets or exceeds	s satisfactory performance of all tasks under my supervision and/or on a		

- 1) The trainee meets or exceeds satisfactory performance of all tasks under my supervision and/or on a prior trainee experience, as documented on position evaluation records. I have completed the final evaluator's verification section and recommend the trainee be considered for agency certification.
- 2) The tasks indicated on the evaluation table have been performed under my supervision. However, either opportunities were not available for all tasks to be performed and evaluated on this assignment or prior position evaluation records, or the trainee did not meet satisfactory performance on at least one task and needs additional evaluation.
 - _3) The trainee does not display satisfactory performance of the tasks for the position and additional training, guidance, and/or experience are recommended prior to another training assignment.

Remarks on Individual Performance (Use additional sheets as necessary)

Trainee's Signature:	Date:
Evaluator's Signature:	Date:
Evaluator's Relevant Qualification (or agency certification):	

Tree 1	Tree 2	Tree 3
Species:	Species:	Species:
	<u>^</u>	<u>^</u>
DBH:	DBH:	DBH:
Height:	Height:	Height:
% Slope:	% Slope:	% Slope:
Feet from Center of Lay:	Feet from Center of Lay:	Feet from Center of Lay:
Condition:	Condition:	Condition:

Analysis diagram should include the following: intended lay versus actual lay, number of feet of calculated lean (CL), numbering/sequence of cuts, position/amount of hinge wood (HW), stump shot (SS), undercut (UC), backcut (BC), use of compound cuts (CC), and wedge location.

Tree 1 Comments

Tree 2 Comments

	Trainee	Information		
Printed Name:		Virtual Assignmen	t: Yes	No
Position on Incident/Event:				
	Evaluato	r Information		
Printed Name:		Evaluator Position	on Incident/E	Event:
Home Unit/Agency:		Evaluator IQCS/IQ	S #:	
Home Unit /Agency Address as	nd Phone Number:			
	Incident/E	ent Information		
Incident/Event Name:		Reference (Inciden	t Number/Fir	e Code):
Duration:				
Location (include Geographic	Area, Agency, and State	e):		
Incident Kind: Wildfire Pr	escribed Fire All H	azard Other (spec	rify):	
Management Type: Type 5	Type 4 Type 3	Type 2 Type 1	Complex	Area Command
OR Prescribed Fire Complexity	y Level: Low Mode	rate High		
FBPS Fuel Model: Grass E	Brush Timber S	ash		
		Recommendation e line as appropriate)		
1) The trainee meets (or exceeds satisfactory	performance of all task	ks under my s	supervision and/or on a

- 1) The trainee meets or exceeds satisfactory performance of all tasks under my supervision and/or on a prior trainee experience, as documented on position evaluation records. I have completed the final evaluator's verification section and recommend the trainee be considered for agency certification.
- 2) The tasks indicated on the evaluation table have been performed under my supervision. However, either opportunities were not available for all tasks to be performed and evaluated on this assignment or prior position evaluation records, or the trainee did not meet satisfactory performance on at least one task and needs additional evaluation.
 - _3) The trainee does not display satisfactory performance of the tasks for the position and additional training, guidance, and/or experience are recommended prior to another training assignment.

Remarks on Individual Performance (Use additional sheets as necessary)

Trainee's Signature:	Date:
Evaluator's Signature:	Date:
Evaluator's Relevant Qualification (or agency certification):	

Tree 1	Tree 2	Tree 3
Species:	Species:	Species:
	<u>^</u>	<u>^</u>
DBH:	DBH:	DBH:
Height:	Height:	Height:
% Slope:	% Slope:	% Slope:
Feet from Center of Lay:	Feet from Center of Lay:	Feet from Center of Lay:
Condition:	Condition:	Condition:

Analysis diagram should include the following: intended lay versus actual lay, number of feet of calculated lean (CL), numbering/sequence of cuts, position/amount of hinge wood (HW), stump shot (SS), undercut (UC), backcut (BC), use of compound cuts (CC), and wedge location.

Tree 1 Comments

Tree 2 Comments

Trainee Information				
Printed Name: Virtual Assignment: Yes No				
Position on Incident/Event:				
Evaluator Information				
Printed Name: Evaluator Position on Incident/Event:				
Home Unit/Agency:Evaluator IQCS/IQS #:				
Home Unit /Agency Address and Phone Number:				
Incident/Event Information				
Incident/Event Name: Reference (Incident Number/Fire Code):				
Duration:				
Location (include Geographic Area, Agency, and State):				
Incident Kind: Wildfire Prescribed Fire All Hazard Other (specify):				
Management Type: Type 5 Type 4 Type 3 Type 2 Type 1 Complex Area Command				
OR Prescribed Fire Complexity Level: Low Moderate High				
FBPS Fuel Model: Grass Brush Timber Slash				
Evaluator's Recommendation (Initial only one line as appropriate)				
1) The trainee meets or exceeds satisfactory performance of all tasks under my supervision and/or on a prior trainee experience, as documented on position evaluation records. I have completed the final evaluator's verification section and recommend the trainee be considered for agency certification.				
2) The tasks indicated on the evaluation table have been performed under my supervision. However, either opportunities were not available for all tasks to be performed and evaluated on this assignment or prior position evaluation records, or the trainee did not meet satisfactory performance on at least one task and needs additional evaluation.				
3) The trainee does not display satisfactory performance of the tasks for the position and additional training, guidance, and/or experience are recommended prior to another training assignment.				
Remarks on Individual Performance (Use additional sheets as necessary)				

Trainee's Signature:	Date:	
Evaluator's Signature:	Date:	
Evaluator's Relevant Qualification (or agency certification):		

Evaluator's Relevant Qualification (or agency certification):

Tree 1	Tree 2	Tree 3
Species:	Species:	Species:
	<u>^</u>	<u>^</u>
DBH:	DBH:	DBH:
Height:	Height:	Height:
% Slope:	% Slope:	% Slope:
Feet from Center of Lay:	Feet from Center of Lay:	Feet from Center of Lay:
Condition:	Condition:	Condition:

Analysis diagram should include the following: intended lay versus actual lay, number of feet of calculated lean (CL), numbering/sequence of cuts, position/amount of hinge wood (HW), stump shot (SS), undercut (UC), backcut (BC), use of compound cuts (CC), and wedge location.

Tree 1 Comments

Tree 2 Comments

Trainee Information				
Printed Name: Virtual Assignment: Yes No				
Position on Incident/Event:				
Evaluator Information				
Printed Name: Evaluator Position on Incident/Event:				
Home Unit/Agency:Evaluator IQCS/IQS #:				
Home Unit /Agency Address and Phone Number:				
Incident/Event Information				
cident/Event Name: Reference (Incident Number/Fire Code):				
Duration:				
Location (include Geographic Area, Agency, and State):				
Incident Kind: Wildfire Prescribed Fire All Hazard Other (specify):				
Management Type: Type 5 Type 4 Type 3 Type 2 Type 1 Complex Area Command				
OR Prescribed Fire Complexity Level: Low Moderate High				
FBPS Fuel Model: Grass Brush Timber Slash				
Evaluator's Recommendation (Initial only one line as appropriate)				
1) The trainee meets or exceeds satisfactory performance of all tasks under my supervision and/or on a prior trainee experience, as documented on position evaluation records. I have completed the final evaluator's verification section and recommend the trainee be considered for agency certification.				
2) The tasks indicated on the evaluation table have been performed under my supervision. However, either opportunities were not available for all tasks to be performed and evaluated on this assignment or prior position evaluation records, or the trainee did not meet satisfactory performance on at least one task and needs additional evaluation.				
3) The trainee does not display satisfactory performance of the tasks for the position and additional training, guidance, and/or experience are recommended prior to another training assignment.				
Remarks on Individual Performance (Use additional sheets as necessary)				

Trainee's Signature:	Date:	
Evaluator's Signature:	Date:	
Evaluator's Relevant Qualification (or agency certification):		

Evaluator's Relevant Qualification (or agency certification):

Tree 1	Tree 2	Tree 3
Species:	Species:	Species:
	<u>^</u>	<u>^</u>
DBH:	DBH:	DBH:
Height:	Height:	Height:
% Slope:	% Slope:	% Slope:
Feet from Center of Lay:	Feet from Center of Lay:	Feet from Center of Lay:
Condition:	Condition:	Condition:

Analysis diagram should include the following: intended lay versus actual lay, number of feet of calculated lean (CL), numbering/sequence of cuts, position/amount of hinge wood (HW), stump shot (SS), undercut (UC), backcut (BC), use of compound cuts (CC), and wedge location.

Tree 1 Comments

Tree 2 Comments