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|  | Forest Service Manual  national headquarters (wo)  Washington, DC |

FSM 2300 – Recreation, wilderness, and related resource management

Chapter 2350 – trail, river, and similar recreation opportunities

Interim Directive No.: 2350-2020-1

Effective Date: April 09, 2020

Duration: This interim directive expires on Oct 09, 2021

|  |  |
| --- | --- |
| Approved: ChrisTOPHER French  Deputy Chief, NFS | **Date Approved:** 04/03/2020 |

Posting Instructions: Interim directives are numbered consecutively by title and calendar year. Post by document at the end of the chapter. Retain this transmittal as the first page(s) of this document.

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| **New Document** | id\_2350-2020-1 | 21 Pages |
| **Superseded Document(s) (Interim Directive Number and Effective Date)** |  |  |

Digest:

This interim directive (ID) extends sawyer certifications that have expired or will expire between October 1, 2019, and October 1, 2020, for not more than 1 year. This ID replaces direction currently contained in FSM 2350 section 2358.21, which provides that sawyer certifications expire 3 years after their effective date. This ID will become effective April 09, 2020 and will expire October 09, 2021.

2358.21 – Sawyer certifications that have expired or will expire between October 1, 2019, and October 1, 2020, are hereby extended for not more than 1 year. All reevaluation requirements for sawyers and sawyer evaluators are hereby waived during this timeframe. The extension of sawyer certifications that have expired or will expire between October 1, 2019, and October 1, 2020, is necessary due to the COVID-19 pandemic and the resultant requirement for social distancing that has caused the cancelation of sawyer workshops, classroom and field training, and associated evaluations that are needed for sawyer recertification.

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# 2358.2 – Sawyer Training and Field Proficiency Evaluation

A sawyer training and field proficiency evaluation determines whether a person can demonstrate proficient use and care of a saw by applying learned knowledge and skill. Sawyer evaluators shall conduct a sawyer training and field proficiency evaluation in the field within the limits of their certification level as identified on their National Sawyer Certification Card (FSM 2358.3, ex. 05). The Sawyer Training and Field Proficiency Evaluation form (FSM 2358.3,   
ex. 03 and 04) must be used to document field skills and record the evaluation of each sawyer.

## 2358.21 – Sawyer, Sawyer Instructor, and Sawyer Evaluator Training and Field Proficiency Reevaluation

The National Sawyer Certification Card is valid for 3 years and is subject to review any time prior to expiration. Minimum requirements for sawyer training and field proficiency reevaluation include:

1. A knowledge refresher conducted in the classroom or the field and including discussion or demonstrations that cover current saw directives, emerging safety issues, emergency procedures, and cutting techniques.

2. A skill refresher, including a field proficiency evaluation, equivalent to the initial evaluation for the sawyer’s certification level that involves sawing tasks relevant to the sawyer’s certification level(FSM 2358.1, ex. 02, and FSM 2358.3, ex. 06).

3. For sawyer instructors, in addition to items 1 and 2, conducting at least one NRSTC or refresher NRSTC every three years.

4. For sawyer evaluators, in addition to items 1 and 2 above, conducting at least one sawyer field proficiency evaluation or reevaluation every three years.

### 2358.22 – Revocation of Certification

Recommendations for revocation of a sawyer’s certification must be made in writing by the Regional Saw Program Manager or Saw Program Coordinator and approved by the Regional Forester or other line officer with delegated authority (FSM 2358.04, ex. 01).

Revoke a sawyer’s certification when:

1. The sawyer has failed to demonstrate appropriate cutting procedures, thereby placing the sawyer or others in danger;

2. The sawyer has failed to demonstrate the requisite knowledge or skills for the sawyer’s certification;

3. The sawyer lacks the physical ability safely to undertake sawing activities commensurate with the sawyer’s certification; or

4. A review of saw-related accidents reveals the sawyer was acting outside the sawyer’s certification level.

**2358.04 – Exhibit 01**

**Delegated Authorities**

| **Task** | **Regional Forester** | **Forest Supervisor** | **District Ranger** | **Regional Saw Program Manager** | **Saw Program Coordinator** |
| --- | --- | --- | --- | --- | --- |
| **Implementing the Saw Program** | Has authority\* | Delegation permitted\*\* | Delegation permitted | Delegation not permitted | Delegation not permitted |
| **Appointing the Regional Saw Program Manager** | Has authority | Delegation not permitted | Delegation not permitted | Delegation not permitted | Delegation not permitted |
| **Designating the Saw Program Coordinator for an administrative unit** | --- | Has authority | Delegation permitted | Delegation not permitted | Delegation not permitted |
| **Signing National Sawyer Certification Cards\*\*\*** | Has authority | Has authority | Has authority | Delegation permitted | Delegation permitted |
| **Revoking National Sawyer Certification Cards** | Has authority | Delegation permitted | Delegation permitted | Delegation not permitted | Delegation not permitted |
| **Approving training consultants and volunteer sawyer instructors and sawyer evaluators** | Has authority | Delegation not permitted | Delegation not permitted | Delegation permitted | Delegation not permitted |
| **Providing cutting areas to meet Saw**  **Program training requirements and maintain sawyer proficiency** | --- | Has authority | Delegation permitted | Delegation  not permitted | Delegation not permitted |
| **Meeting periodically with the Saw Program Coordinator to review the Saw Program** | --- | Has authority | Delegation permitted | Delegation not permitted | Delegation not permitted |

\* Only line officers can delegate authority.

\*\* “Delegation permitted/not permitted” means may/may not be delegated to this level.

\*\*\* Certifying officials for cooperator sawyers under an FSM 1580 agreement should follow the language in the agreement   
(FSM 1509.11, sec. 91.2).

**2358.1 – Exhibit 02**

**Sawyer Responsibilities and Limitations and Training, Knowledge, and Skill Requirements**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Skill Level** | **Responsibilities and Limitations** | **Training** | **Knowledge** | **Skills** |
| **Crosscut Sawyer Trainee** | May occasionally single buck or double buck. No felling.  Must work under the immediate supervision of a B or C Sawyer. | **Formal Instruction:** N/A  **Demonstrated Field Proficiency:** N/A  **Total Training:** N/A  **Prerequisites:** None | Acquired as sawyer assists and works under immediate supervision of a B or C Sawyer in most aspects of crosscut sawing operations, from planning to execution. The B or C Sawyer will introduce and review:   * JHA. * PPE requirements. * Forest Service saw directives (FSM 2358 and FSH 6709.11,  sec. 22.48). * Situation awareness. * Proper selection, maintenance, and care of saws and other cutting equipment. * Operational safety (e.g., sheath placement and removal). * Crosscut sawing techniques.   Proper stance and maintenance of a safe work area. | Developed while assisting and working under the immediate supervision of a B or C Sawyer.  **Field Evaluation:** N/A |

**2358.1 – Exhibit 02--Continued**

**Sawyer Responsibilities and Limitations and Training, Knowledge, and Skill Requirements**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **A Sawyer** | May saw only in the least complex situations or, for training purposes, at the next higher level and in either case only under the immediate supervision of a B or C Sawyer qualified to supervise the work.  Sawing activities restricted to brushing, bucking, and limbing and, if specifically noted on the sawyer’s National Sawyer Certification Card, felling the least complex, small-diameter trees.  Has successfully completed an NRSTC that introduces general sawing principles, including brushing, bucking, limbing, and felling; has been trained at the introductory level; and has successfully completed a sawyer training and field proficiency evaluation for that level.  The proficiency of A Sawyers is determined by a sawyer evaluator, certified by the certifying official, and documented on the National Sawyer Certification Card. | **Formal Instruction:** at least 4 hours  **Demonstrated Field Proficiency:** at least 8 hours  **Total Training:** 12-36 hours  **Prerequisites:** First Aid and CPR | Acquired through formal instruction utilizing one or more NRSTCs, including introduction and review of:   * JHA. * PPE requirements. * Saw accidents, near misses, and lessons learned from them. * Forest Service saw directives (FSM 2358 and FSH 6709.11,  sec. 22.48). * Situation awareness. * Proper selection, maintenance, and care of saws and other cutting equipment. * Operational safety. * Introduction to brushing, bucking, limbing, and felling techniques. * Proper stance and maintenance of a safe work area. | Developed through hands-on operation of saws and axes.   * Emphasis is placed on situation awareness, correctly selecting and using tools, and saw and axe handling techniques. * Practices and successfully demonstrates brushing, bucking, and limbing logs of various sizes and in minimally complex situations. * Introduced to felling in minimally complex situations. * Demonstrates ability to identify various binds and the proper method and sequence of cuts to safely release them. * Demonstrates ability to assess when a sawing task exceeds the sawyer’s capabilities.   **Field Evaluation:** Demonstrated application of formal instruction in brushing, bucking, and limbing techniques of least complexity. Demonstrated proficiency in and safe use of a saw in the least complex situations. |

**2358.1 – Exhibit 02--Continued**

**Sawyer Responsibilities and Limitations and Training, Knowledge, and Skill Requirements**

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| **B Sawyer – Bucking Only** | This certification level is not used for fire management activities. There is no Incident Qualification and Certification System (IQCS) equivalent.  May independently buck and limb any size material in moderately complex situations within the restrictions noted on the sawyer’s National Sawyer Certification Card.  May saw at the next higher level, but only under the immediate supervision of a sawyer qualified to supervise the work.  May not fell.  Can supervise A Sawyers when they are bucking but not when felling  Has successfully completed an NRSTC covering general saw bucking, limbing, and brushing.  The proficiency of  B Sawyers ̶ Bucking Only is determined by a sawyer evaluator, certified by the certifying official, and documented on the National Sawyer Certification Card. | **Formal Instruction:** at least 4 hours  **Demonstrated Field Proficiency:** at least 4 hours  **Total Training:** 8-36 hours  **Prerequisites:** First Aid and CPR | Acquired through formal instruction utilizing one or more NRSTCs, which review the topics covered in A Sawyer training and introduce:   * Types of binds and techniques to relieve them. * In-depth instruction on bucking, limbing, and brushing techniques. * Identification and evaluation of hazardous bucking situations. * Proper turndown procedure for cutting situations that exceed the sawyer’s abilities. * Specialized saw uses, as needed. | * Proficient in basic saw skills and use of tools needed for crosscut, axe, and chain saw use. * Successfully demonstrates techniques for brushing, bucking, and limbing logs of various sizes and in various binds. * Demonstrates completeness and accuracy of log size-up, placement of wedges, complexity analysis, and application of safe bucking techniques. * When using a crosscut saw, proficient in single and double bucking techniques, including clear team communication. * Demonstrates ability to assess when a sawing task exceeds the sawyer’s capabilities.   **Field Evaluation:** Demonstrated application of formal instruction in brushing, bucking, and limbing techniques of moderate complexity. Demonstrated proficiency in and safe use of a saw in moderately complex situations. |

**2358.1 – Exhibit 02--Continued**

**Sawyer Responsibilities and Limitations and Training, Knowledge, and Skill Requirements**

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| B Sawyer – Felling and Bucking | May independently fell, buck, and limb any size material in moderately complex situations within the restrictions noted on the sawyer’s National Sawyer Certification Card.  May saw at the next higher level under the immediate supervision of a sawyer qualified to supervise the work.  Has successfully completed an NRSTC for general felling and bucking.  Can supervise any A Sawyer.  May conduct formal instruction for  A and B Sawyers with written approval from the Saw Program Coordinator.  May not conduct field proficiency evaluations of A and B Sawyers.  The proficiency of  B Sawyers ̶ Felling and Bucking is determined by a sawyer evaluator, certified by the certifying official, and documented on the National Sawyer Certification Card. | Formal Instruction: at least 8 hours  Demonstrated Field Proficiency: at least 12 hours  Total Training: 20-36 hours  Prerequisites: First Aid and CPR | Acquired through formal instruction utilizing one or more NRSTCs, which review the topics covered in A Sawyer training and introduce:  Types of binds and mitigation techniques.  Principles of felling and bucking.  In-depth instruction on felling techniques in moderately complex situations.  Identification and evaluation of hazardous felling and bucking situations.  Proper turndown procedure for cutting situations that exceed the sawyer’s abilities.  Solutions for hung-up trees.  Specialized saw uses, as needed. | Proficient in basic saw skills and tools needed for crosscut, axe, and chain saw use.  Demonstrates proficiency in all skills listed in B Sawyer – Bucking Only.  Demonstrates proper placement of face cuts and back cuts in sound trees, as verified by stump analysis.  Demonstrates completeness and accuracy in tree size-up, complexity analysis, placement of wedges, undercuts, back cuts, and stump analysis.  Proficient in single and double bucking techniques, including clear team communication (crosscut saw only).  Demonstrates ability to assess when a sawing task exceeds sawyer’s capabilities.  Can safely remove hung-up trees of low complexity.  Field Evaluation: Demonstrated application of formal instruction in brushing/felling/buck-ing/limbing tech. of moderate complexity. Demonstrated proficiency in/safe use of saw in moderately complex situations. |

**2358.1 – Exhibit 02--Continued**

**Sawyer Responsibilities and Limitations and Training, Knowledge, and Skill Requirements**

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| --- | --- | --- | --- | --- |
| **C Sawyer – Bucking Only** | This certification level is not used for fire management activities. There is no IQCS equivalent.  May independently buck and limb any size material in highly complex situations based on the recommendation of the Regional Saw Program Manager or Saw Program Coordinator, which is supported by demonstrated advanced saw knowledge and skills and, in most cases, certification as a B Sawyer.  Has experience working with  C Sawyers in analyzing and implementing safe bucking practices in complex situations. Has demonstrated ability for advanced saw work, advanced understanding of Forest Service saw directives, and ability to teach saw skills to others. Has demonstrated good judgment in assessing complex situations and own skill limitations and in safely completing sawing tasks.  May conduct formal instruction within that person’s skill level for  A and B Sawyers.  May conduct field proficiency evaluations within their skill level for A Sawyers and  B Sawyers ̶ Bucking Only.  The proficiency of C Sawyers ̶̶̶̶ Bucking Only is determined by one sawyer evaluator, certified by the certifying official, and documented on the National Sawyer Certification Card. | **Formal Instruction:** required; variable  **Demonstrated Field Proficiency:** variable  **Total Training:** to be determined by sawyer instructor  **Prerequisites:** First Aid and CPR | Acquired through formal instruction that:  (a) utilizes information gathered and activities designed by the  C Sawyer Evaluator that are specifically tailored to local needs;  (b) reviews the topics covered in B Sawyer training; and  (c) introduces:   * Principles of advanced bucking. * Advanced bucking techniques. * Determination of complexity of saw operations. * Tree health. * Fiber characteristics. * Advanced teaching methods and techniques for evaluating  A and B Sawyers. | * Proficient in advanced saw skills and tools needed for crosscut saw, axe, and chain saw use. * Able to communicate knowledge effectively and demonstrate field skills clearly to A and B Sawyers. * Able to understand, use, and communicate the contents of applicable federal regulations regarding the use of saws in the workplace and Forest Service saw directives to other sawyers and staff. * Able to complete complex bucking tasks safely, including single and double bucking (crosscut saw only). * Able to identify defects in danger trees comprehensively and clearly. * Additional skills may include refinement of various cutting techniques; decision processes for determining the use of saws, rigging, and explosives; and techniques for removing cut logs, such as use of skids and other mechanical means.   **Field Evaluation:** Evaluations may take place during regularly scheduled NRSTCs. Demonstrated application of formal instruction in brushing, bucking, and limbing techniques in highly complex situations. Demonstrated proficiency in and safe use of a saw in highly complex situations. |

**2358.1 – Exhibit 02--Continued**

**Sawyer Responsibilities and Limitations and Training, Knowledge, and Skill Requirements**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **C Sawyer – Felling and Bucking** | May independently fell, buck, and limb any size material in highly complex situations based on the written recommendation of the Regional Saw Program Manager or Saw Program Coordinator, which is supported by demonstrated advanced saw knowledge and skills and, in most cases, certification as a B Sawyer.  Has experience working with C Sawyers in analyzing and implementing safe felling and bucking practices in complex situations. Has demonstrated ability for advanced saw work, advanced understanding of Forest Service saw directives, and the ability to teach saw skills to others. Has demonstrated good judgment in assessing complex situations and own skill limitations and in safely completing sawing tasks.  May conduct formal instruction and proficiency evaluations for A and B Sawyers.  The proficiency of C Sawyers ̶̶ Felling and Bucking is determined by two sawyer evaluators, certified by the certifying official, and documented on the National Sawyer Certification Card. | **Formal Instruction:** required; variable  **Demonstrated Field Proficiency:** variable  **Total Training:**  to be determined by sawyer instructor  **Prerequisites:** First Aid and CPR | Acquired through formal instruction that:  (a) utilizes information gathered and activities designed by the  C Sawyer Evaluator that are specifically tailored to local needs; (b) reviews the topics covered in B Sawyer training; and  (c) introduces:   * Principles of advanced felling and bucking. * Advanced felling and bucking techniques. * Determining complexity of saw operations. * Tree health. * Fiber characteristics. * Advanced teaching methods and techniques for evaluating  A and B Sawyers. | * Proficient in advanced saw skills and tools needed for crosscut, axe, and chain saw use. * Demonstrates proficiency in all skills listed in C Sawyer – Bucking Only. * Able to communicate knowledge effectively and demonstrate field skills clearly to A and B Sawyers. * Able to identify defects in danger trees comprehensively and clearly. * Able to fell trees of a greater diameter than the length of the saw bar (chain saw only). * Able to fell trees against their natural lean. * Additional skills may include refinement of various cutting techniques; decision processes for determining the use of saws, rigging, and explosives; and techniques for removing standing trees.   **Field Evaluation:** Evaluations may take place during regularly scheduled NRSTCs. Demonstrated application of formal instruction in brushing, bucking, felling, and limbing techniques in highly complex situations. Demonstrated proficiency in and safe use of a saw in highly complex situations. |

**2358.1 – Exhibit 02--Continued**

**Sawyer Responsibilities and Limitations and Training, Knowledge, and Skill Requirements**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **C Sawyer – Evaluator** | May independently fell, buck, and limb any size material in highly complex situations.  May conduct formal instruction and proficiency evaluations for all sawyer certification levels.  This certification level is not used for fire management activities. There is no IQCS equivalent.  Has successfully completed training to organize and conduct advanced sawyer certification sessions in the field and has received a recommendation from the Regional Saw Program Manager, which is supported by demonstrated advanced saw knowledge and skills and, in most cases, certification as a  C Sawyer ̶ Felling and Bucking for at least 3 years.  Has demonstrated ability for advanced instruction, hazard assessment, and instruction in complex sawing techniques and an advanced understanding of Forest Service saw directives. Has demonstrated good judgment in assessing complex situations and own skill limitations and in safely completing sawing tasks.  The proficiency of C Sawyer Evaluators is determined by the Regional Saw Program Manager (or that person’s designee) and another sawyer evaluator, certified by the certifying official, and documented on the National Sawyer Certification Card. | **Formal Instruction:** required  **Demonstrated Field Proficiency:** variable  **Total Training:**  to be determined by Regional Saw Program Manager (or that person’s designee)  **Prerequisites:** First Aid and CPR | Must be recommended for the training by the immediate supervisor, a line officer, or the Saw Program Coordinator.  Acquired through formal instruction that:  (a) utilizes information gathered and activities designed by the Regional Saw Program Manager (or that person’s designee) that are specifically tailored to local needs; (b) may be tailored to the students’ needs; and  (c) includes**:**   * Administrative duties and responsibilities. * Advanced teaching methods and techniques for evaluating  A, B, and C Sawyers. | * Able to effectively demonstrate and teach advanced sawing techniques, field skills, and hazard assessment decision-making processes. * Able to understand, use, and communicate applicable federal regulations regarding the use of saws in the workplace and Forest Service saw directives to other sawyers and staff.   **Field Evaluation:** Evaluations may take place during regularly scheduled  C Sawyer NRSTCs. Demonstrated knowledge of techniques for providing instruction in brushing, bucking, felling, and limbing techniques in highly complex situations. Demonstrated ability to provide instruction in safe use of a saw in highly complex situations. |

**2358.3 – Exhibit 03**

**Form FS-2300-52, Sawyer Training and Field Evaluation for Chain Saws**

|  |  |
| --- | --- |
| **Name:** **Date:** | **Agency/Cooperator Name:** |
| **Training Location:**  *Classroom*:  *Field*: | **Address:** |
| **Telephone Number:** | Yes, I permit the Forest Service to share my Sawyer qualifications and e-mail address with other federal agencies and non-federal organizations so that I can be contacted about saw project opportunities in my area. \_\_\_\_\_\_\_ (initial) |
| **E-mail Address:** |
| **Previous Certification:** *Yes* *No* *Level* **\_\_\_\_\_\_** *Agency/Unit* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*Year* \_\_\_\_\_\_\_\_\_  **First Aid/CPR:**  I certify that I have completed and will maintain first aid and CPR training \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (initial) | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***BELOW THIS LINE – TO BE COMPLETED BY SAWYER EVALUATOR*** | | | | | | | | | | | | | | |
| **SAFETY EQUIPMENT AND TOOLS** | | | | | | | | | | | | | | |
| **Y/N** | |  | | | **Y/N** |  | | | | | | | **Y/N** |  |
|  | | Hard hat | | |  | Gloves | | | | | | |  | Approved fuel/oil container |
|  | | Eye protection | | |  | Boots | | | | | | |  | Bar guard |
|  | | Hearing protection | | |  | Chaps | | | | | | |  | Whistle/radio/cellular telephone |
|  | | Long-sleeved shirt | | |  | Axe (3-5 lbs) | | | | | | |  | Wedges |
|  | | First aid kit | | |  | Chain saw | | | | | | |  | Tool kit |
| **SAW USE: APPLIES TO ALL CUTTING OPERATIONS** | | | | | | | | | | | | | | |
| **SCORE** | | |  | | | | **SCORE** | | | |  | | | |
|  |  |  | | Starting procedure  REFERENCE ONLY  Do NOT COPY | | | |  |  |  | | Bar tip use (boring) | | |
|  |  |  | | Correct body position | | | |  |  |  | | Positive communication with co-workers | | |
|  |  |  | | Thumb placement | | | |  |  |  | | Control of cutting area | | |
|  |  |  | | Bar tip use (general) | | | |  |  |  | | Cut preparation | | |
|  |  |  | | Chain brake use | | | |  |  |  | |  | | |
| **LIMBING and BRUSHING** | | | | | | | | | | | | | | |
| **SCORE** | | |  | | | | | **SCORE** | | |  | | | |
|  |  |  | | Overhead & ground hazard analysis | | | |  |  |  | | Limb removal sequence | | |
|  |  |  | | Escape route | | | |  |  |  | | Spring poles (tension/compression analysis) | | |
|  |  |  | | Swamp out of work area | | | |  |  |  | | Kickback recognition | | |
| **BUCKING** | | | | | | | | | | | | | | |
| **SCORE** | | |  | | | | **SCORE** | | | |  | | | |
|  |  |  | | Overhead & ground hazard analysis | | | |  |  |  | | Wedging procedure | | |
|  |  |  | | Swamp out of work area | | | |  |  |  | | Bucking sequence | | |
|  |  |  | | Bind/tension (compression analysis) | | | |  |  |  | | Axe use | | |
|  |  |  | | Kerf observation | | | |  |  |  | | Use of compound cuts | | |
|  |  |  | | Escape route | | | |  |  |  | | Kickback recognition | | |
|  |  |  | | Multiple bind situations | | | |  |  |  | |  | | |

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**2358.3 – Exhibit 03 --Continued**

**Sawyer Name:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FELLING** | | | | | | | | |
| **SCORE** | | | **FELLING AREA** | **SCORE** | | | **FELLING PROCEDURE** | |
|  |  |  | Control of cutting area |  |  |  | | Procedure alteration (if necessary) |
|  |  |  | Ground & overhead hazard analysis |  |  |  | | Wedging procedure |
|  |  |  | Positive communication |  |  |  | | Use of escape route/safety zone |
|  |  |  | **FELLING PROCEDURE** |  |  |  | | Exposure time at stump |
|  |  |  | Go/no-go decision/walk away |  |  |  | |  |
|  |  |  | Plumbing of lean (determination of lay) |  |  |  | | **STUMP ANALYSIS** |
|  |  |  | Cutting Plan |  |  |  | | Felling to desired lay |
|  |  |  | Use of gunning sights |  |  |  | | Undercut/facecut |
|  |  |  | Undercut/facecut | REFERENCE ONLY  Do NOT COPY |  |  | | Back cut |
|  |  |  | Warning shout |  |  |  | | Stump shot |
|  |  |  | Back cut |  |  |  | | Hinge/holding wood |
|  |  |  | Proper body position/looking up |  |  |  | | Other |

|  |  |  |
| --- | --- | --- |
| **EVALUATOR’S STUMP ANALYSIS SKETCHES** | | |
|  |  |  |
| **Tree 1**  Height \_\_\_\_\_\_ DBH\_\_\_\_\_\_\_\_\_\_\_  % Slope\_\_\_\_\_\_Species \_\_\_\_\_\_\_\_\_  Condition\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Feet from center of lay \_\_\_\_\_\_\_\_\_ | **Tree 2**  Height \_\_\_\_\_\_\_\_\_\_ DBH\_\_\_\_\_\_\_\_\_\_\_  % Slope\_\_\_\_\_\_\_\_\_ Species \_\_\_\_\_\_\_\_\_  Condition\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Feet from center of lay \_\_\_\_\_\_\_\_\_\_\_\_\_ | **Tree 3**  Height \_\_\_\_\_\_\_\_\_\_ DBH\_\_\_\_\_\_\_\_\_\_\_  % Slope\_\_\_\_\_\_\_\_\_ Species \_\_\_\_\_\_\_\_\_  Condition\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Feet from center of lay \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **COMMENTS:** Attitude, Confidence, Comfort level, Technical Skills, Awareness, Verbal Skills, Weak-Strong Traits, etc. | | |
|  | | |

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| --- |
| **Certification Level, Subject to Final Approval**  A Sawyer B Sawyer – Bucking Only B Sawyer – Felling and Bucking C Sawyer – Bucking Only  C Sawyer – Felling and Bucking C Sawyer Evaluator |

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Evaluator’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Sawyer Level\_\_\_\_\_\_\_\_\_\_\_\_\_

Evaluator’s Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Evaluator’s E-mail Address\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2358.3 – Exhibit 03 --Continued**

Evaluator’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Sawyer Level\_\_\_\_\_\_\_\_\_\_\_\_

Evaluator’s Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Evaluator’s E-mail Address\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2358.3 – Exhibit 04**

**Form FS-2300-52, Sawyer Training and Field Evaluation** **for Crosscut Saws**

|  |  |
| --- | --- |
| **Name:** **Date:** | **Agency/Cooperator Name:** |
| **Training Location:**  *Classroom*-  *Field*- | **Address:** |
| **Telephone Number:** | Yes, I permit the Forest Service to share my Sawyer qualifications and e-mail address with other federal agencies and non-federal organizations so that I can be contacted about saw project opportunities in my area.  \_\_\_\_\_\_\_ (Please initial here) |
| **E-mail Address:** |
| **Previous Certification:** *Yes* *No* *Level* **\_\_\_\_\_\_** *Agency/Unit* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*Year* \_\_\_\_\_\_\_\_  **First Aid/CPR:**  I certify that I have completed and will maintain current first aid amd CPR training \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(initial) | |

REFERENCE ONLY

Do NOT COPY

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***BELOW THIS LINE TO BE COMPLETED BY SAWYER EVALUATOR*** | | | | | | | | | | | | | |
| **SAFETY EQUIPMENT AND TOOLS** | | | | | | | | | | | | | |
| **Y/N** | |  | | **Y/N** |  | | | | | | | **Y/N** |  |
|  | | Hard hat | |  | First aid kit | | | | | | |  | Saw sheath |
|  | | Eye protection | |  | Saw selection & condition | | | | | | |  | Axe sheath |
|  | | Long-sleeved shirt | |  | Axe selection & condition | | | | | | |  | Whistle/radio/cellular telephone |
|  | | Gloves | |  | Maintenance of saw & axe | | | | | | |  |  |
|  | | Boots | |  | Wedges | | | | | | |  |  |
| **SAW USE: APPLIES TO ALL CUTTING OPERATIONS** | | | | | | | | | | | | | |
| **SCORE** | | |  | | | **SCORE** | | | |  | | | |
|  |  |  | Transportation of saw & axe | | | |  |  |  | | Correct body position and technique | | |
|  |  |  | Sheath placement & removal | | | |  |  |  | | Cut preparation | | |
|  |  |  | Field storage of saw & axe | | | |  |  |  | | Positive communication with co-workers | | |
|  |  |  | Saw passing | | | |  |  |  | | Control of cutting area | | |
| **LIMBING and BRUSHING** | | | | | | | | | | | | | |
| **SCORE** | | |  | | | **SCORE** | | | |  | | | |
|  |  |  | Overhead & ground hazard analysis | | | |  |  |  | | Swamp out of work area | | |
|  |  |  | Limb removal sequence | | | |  |  |  | | Use of axe and general technique | | |
|  |  |  | Escape route | | | |  |  |  | | Spring poles (tension/compression analysis) | | |
| **BUCKING** | | | | | | | | | | | | | |
| **SCORE** | | |  | | | **SCORE** | | | |  | | | |
|  |  |  | Overhead & ground hazard analysis | | | |  |  |  | | Single bucking | | |
|  |  |  | Escape route | | | |  |  |  | | Double bucking | | |
|  |  |  | Swamp out of work area | | | |  |  |  | | Underbucking | | |
|  |  |  | Bind/tension (compression analysis) | | | |  |  |  | | Wedging procedure | | |
|  |  |  | Bucking sequence | | | |  |  |  | | Axe use and general technique | | |
|  |  |  | Kerf observation | | | |  |  |  | | Communication with partner | | |
|  |  |  | Use of compound cuts | | | |  |  |  | |  | | |

|  |
| --- |
| ***Privacy Act Statement***  *Collection and use is covered by Privacy Act System of Records OPM/GOVT-1 and USDA/OP-1, and is consistent with the provisions of 5 USC 552a (Privacy Act of 1974), which authorizes acceptance of the information requested on this form. The data will be used to maintain official records of volunteers of the USDA for the purposes of tort claims and injury compensation. Furnishing this data is voluntary, however if this form is incomplete, enrollment in the program cannot proceed.*  *The U.S. Department of Agriculture (USDA) prohibits discrimination in all programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA’s TARGET Center at 202-720-2600 (voice and TDD).*  *To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA and USDI are equal opportunity providers and employers.* |

**2358.3 – Exhibit 04**-**Continued**

**Sawyer Name:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FELLING** | | | | | | | | |
| **SCORE** | | | **FELLING AREA** | **SCORE** | | | **FELLING PROCEDURE-CONTINUED** | |
|  |  |  | Control of cutting area |  |  |  | | Procedure alteration (if necessary) |
|  |  |  | Ground & overhead hazard analysis |  |  |  | | Wedging procedure |
|  |  |  | Positive communication |  |  |  | | Saw removal |
|  |  |  | **FELLING PROCEDURE** |  |  |  | | Use of escape route/safety zone |
|  |  |  | Go/no-go decision/walk away |  |  |  | | Exposure time at stump |
|  |  |  | Plumbing of lean (determination of lay) |  |  |  | | **STUMP ANALYSIS** |
|  |  |  | Cutting Plan |  |  |  | | Felling to desired lay |
|  |  |  | Use of gunning sights |  |  |  | | Undercut/facecut |
|  |  |  | Undercut/facecut |  |  |  | | Back cut |
|  |  |  | Warning shout |  |  |  | | Stump shot |
|  |  |  | Back cut | REFERENCE ONLY  Do NOT COPY |  |  | | Hinge/holding wood |
|  |  |  | Proper body position/looking up |  |  |  | | Other |

|  |  |  |
| --- | --- | --- |
| **EVALUATOR’S STUMP ANALYSIS SKETCHES** | | |
|  |  |  |
| **Tree 1**  Height \_\_\_\_\_\_ DBH\_\_\_\_\_\_\_\_\_\_\_  % Slope\_\_\_\_\_\_Species \_\_\_\_\_\_\_\_\_  Condition\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Feet from center of lay \_\_\_\_\_\_\_\_\_ | **Tree 2**  Height \_\_\_\_\_\_\_\_\_\_ DBH\_\_\_\_\_\_\_\_\_\_\_  % Slope\_\_\_\_\_\_\_\_\_ Species \_\_\_\_\_\_\_\_\_  Condition\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Feet from center of lay \_\_\_\_\_\_\_\_\_\_\_\_\_ | **Tree 3**  Height \_\_\_\_\_\_\_\_\_\_ DBH\_\_\_\_\_\_\_\_\_\_\_  % Slope\_\_\_\_\_\_\_\_\_ Species \_\_\_\_\_\_\_\_\_  Condition\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Feet from center of lay \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **COMMENTS:** Attitude, Confidence, Comfort level, Technical Skills, Awareness, Verbal Skills, Weak-Strong Traits, etc. | | |
|  | | |

|  |
| --- |
| **Certification Level, Subject to Final Approval**  A Sawyer B Sawyer – Bucking Only B Sawyer – Felling and Bucking C Sawyer – Bucking Only  C Sawyer – Felling and Bucking C Sawyer Evaluator |

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Evaluator’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Sawyer Level\_\_\_\_\_\_\_\_\_\_\_\_\_

Evaluator’s Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Evaluator’s E-mail Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Evaluator’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Sawyer Level\_\_\_\_\_\_\_\_\_\_\_\_

Evaluator’s Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Evaluator’s E-mail Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2358.3 – Exhibit 05**

**Form FS-2300-53, National Sawyer Certification Card**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| United States Department of Agriculture | | | | | | | |
| **National Sawyer Certification Card** (Ref. FSM 2358) | | | | | | | |
| Sawyer Name: | | | | Date Issued: | | Sawyer Address: | |
| Agency: | | | | Region: | |
| Cooperator:  REFERENCE ONLY  Do NOT COPY | | | | Forest: | | Unit: | |
|  | Forest FS-2300-53 (v09/2016) Service  USDA is an equal opportunity provider and employer. | | | | | | |
| **Chain Saw Expiration** | | **Crosscut Saw Expiration** | **Skill Level** | | | | **Evaluator (Print)** |
|  | |  | A Sawyer 🞎 Felling | | | |  |
|  | |  | B Sawyer – Bucking Only | | | |  |
|  | |  | B Sawyer – Felling and Bucking | | | |  |
|  | |  | C Sawyer – Bucking Only | | | |  |
|  | |  | C Sawyer – Felling and Bucking | | | |  |
|  | |  | C Sawyer – Evaluator | | | |  |
| Certifying Official Signature: | | | | | Title: | | Date: |

**2358.3 – Exhibit 06**

**Sawyer Instructors and Sawyer Evaluators Required at Each Certification Level**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **A SAWYERS**  **AND B SAWYERS** | **C SAWYER ̶**  **BUCKING ONLY** | **C SAWYER ̶**  **FELLING AND BUCKING** | **C SAWYER**  **EVALUATOR** |
| **Sawyer Instructor** | ONE OF THE FOLLOWING:   * C Sawyer[[1]](#footnote-1) or * C Sawyer Evaluator or * B Sawyer approved by Saw Program Coordinator or * Training Consultant | ONE OF THE FOLLOWING:   * C Sawyer Evaluator or * Training Consultant | ONE OF THE FOLLOWING:   * C Sawyer Evaluator or * Training Consultant | ONE OF THE FOLLOWING:   * C Sawyer Evaluator or * Training Consultant |
| **Sawyer**  **Evaluator** | ONE OF THE FOLLOWING:   * C Sawyer or * C Sawyer Evaluator[[2]](#footnote-2) or * Training Consultant | ONE OF THE FOLLOWING:   * C Sawyer Evaluator or * Training Consultant | TWO AS FOLLOWS:   * C Sawyer Evaluator **and** * C Sawyer Evaluator or * C Sawyer or * Training Consultant | TWO AS FOLLOWS:   * Regional Saw Program Manager or C Sawyer Evaluator with delegated authority **and** * C Sawyer Evaluator or * C Sawyer or * Training Consultant |

1. **C Sawyers** (Bucking Only or Felling and Bucking) can instruct and evaluate A, B, and C Sawyers only up to their own skill level. [↑](#footnote-ref-1)
2. **All C Sawyer Evaluators** and **Training Consultants** must be certified as C Sawyer – Felling and Bucking. [↑](#footnote-ref-2)