

TMS 04

Standard Practice for Treestand Instructions

1. Scope

- 1.1 This practice provides guidance for providing user instructions for treestands. For changes to this practice since the last issue, refer to the Summary of Changes section at the end of the standard.
- 1.2 The values stated are in English units.
- 1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

- 2.1 *ASTM Standards:*
- 2.2 *Federal Standards:*
- 2.3 *Manufacturing Standards:* Treestand Manufacturing Standard TMS 03.

3. Terminology

- 3.1 The terminology and definitions in the referenced documents are applicable to practice.
- 3.2 *Definitions:*
 - 3.2.1 *Non-climbing, fixed position or hang-on treestand*--a treestand which is secured to the tree at the elevation where it is used. (The user usually ascends the tree by some means and then lifts the treestand to the desired position and secures it for use.)
 - 3.2.2 *Climbing treestand*--a treestand which provides both the means to ascend the tree, and allow the user to remain at a desired elevation.
 - 3.2.3 *Handclimber or climbing aid*-- a device to assist climbing with a climbing treestand. A structure that allows the user to support his weight when lifting a climbing treestand with his legs.
 - 3.2.4 *Backbar*-- the adjustable component of a climbing treestand or handclimber, which engages the tree to provide support.
 - 3.2.5 *Ladder treestand*-- a treestand which consists of a ladder with an attached platform and is secured to the tree at the elevation where the platform is located. (The ladder treestand may be secured to the tree at other locations and has steps that are used to reach the platform or hunting position).
 - 3.2.6 *Tripod or Tower stand*-- a tripod or tower stand (free standing platform) is constructed to be self-supporting and is not required to be secured to a tree.
 - 3.2.7 *A Climbing Stick*-- a device to assist climbing a tree primarily to a fixed position treestand. A structure that is secured to the tree and allows the user to support his weight and climb to the desired height on the tree.
 - 3.2.8 *Platform*--the horizontal structural area of a treestand on which the user stands and/or places his feet.
 - 3.2.9 *Suspension Relief Device*-- a device to allow relief of a person's weight on the lower extremities if suspended in a harness, or allow the user to descend to the ground. The device is to help maintain circulation in the legs and prevent suspension trauma (blood pooling).

4. Summary of Practice

- 4.1 This practice provides minimum guidelines for instructions for treestands particularly

for quality assurance and adequacy of safety.

5. Significance and Use

- 5.1 This practice is provided to develop and maintain uniformity in practices for instructions for treestands, particularly with regard to quality assurance and safety.
- 5.2 It is emphasized that the use of these practices will not alter the validity of data determined with specific tests related to other standards.

6. General Provisions

- 6.1 It is recommended that manufacturers follow the methods of developing instructions so described herein. When unusual or special conditions require instructions or information not covered herein, the manufacturer shall be responsible for their development to assure adequate information for the user.
- 6.2 All user instructions shall be in English, and included with each unit.
- 6.3 In addition to model specific written instructions, a Digital Versatile Disc (DVD) or Video Home System (VHS) tape shall provide non-model specific video instructions and safety warnings with each **treestand or treestand ladder.**
- 6.4 Video instructions for harnesses that are separately furnished from a treestand (after market) are exempt from providing instructions specific to the treestand only. However, the proper use of, and warnings for using the harness with all different types of treestands must be shown.

7. Selection of Content

- 7.1 Safety topics/scenes for written and video instructions shall include, but not be limited to, the following:
 - 7.1.1 General treestand safety topics/scenes.
 - 7.1.1.1 When hunting from a treestand falls can occur any time after leaving the ground causing injury or death.
 - 7.1.1.2 Always wear a fall arrest system (FAS) comprising a full body harness at all times after leaving the ground. You must stay connected at all times after leaving the ground while using climbing and hang-on treestands. Single safety belts and chest harnesses are no longer allowed and should never be used. If you are not wearing a full body harness properly attached to the tree that is protecting you from a fall, do not leave the ground.
 - 7.1.1.3 Read and understand all of the manufacturer's Warnings and Instructions and use all safety devices provided by the manufacturer. Contact the manufacturer for any questions. Failure to do so could result in injury or death.
 - 7.1.1.4 Never exceed the total weight limit of a treestand.
 - 7.1.1.5 Never use a treestand while taking drugs (even prescription drugs) or alcohol.
 - 7.1.1.6 Never use a treestand during inclement weather such as rain, lightning, windstorms or icy conditions and end your hunt and return to the ground if inclement conditions arise.
 - 7.1.1.7 Never use a treestand when feeling ill, nauseous or dizzy, or if you have a prior medical condition that could cause a problem i.e., heart condition, joints that lock-up, spinal fusions, etc. or if you are not well rested.
 - 7.1.1.8 Never use a treestand on a dead, leaning, diseased or loose barked tree or on a utility pole.
 - 7.1.1.9 Never rely on a tree branch for support.
 - 7.1.1.10 Never jump or bounce on a treestand to seat it to the tree.

- 7.1.1.11 Pull up a bow, backpack, firearm or other equipment only after being secure in the treestand and a firearm must be pulled up with it unloaded, chamber open and muzzle down.
- 7.1.1.12 Always inform someone of the hunting location, where the treestand will be located and the expected duration of the hunt.
- 7.1.1.13 A signal device such a mobile phone, radio, whistle, signal flare or personal locator device (PLD) must be on your person and readily available at all times.
- 7.1.1.14 Inspect the treestand and all safety devices each time before use and do not store a treestand outdoors when not in use.
- 7.1.1.15 Never modify your stand in any way by making repairs, replacing parts, or altering adding or attaching anything to it except if explicitly authorized in writing by the manufacturer.
- 7.1.1.16 Practice installing, adjusting and using your treestand at ground level prior to using it at elevated positions.
- 7.1.1.17 Instructions (written and video) should be kept in a safe place and reviewed at least annually. It is the responsibility of the treestand owner to furnish the complete instructions to any person that who borrows or purchases the treestand.
- 7.1.2 Climbing treestand topics/scenes
 - 7.1.2.1 The initial angle of the platform/climber at ground level must allow for the decrease in tree diameter while ascending by tilting slightly upward.
 - 7.1.2.2 For two-piece climbing treestands the tether connecting the top and the platform must be secure and at the proper length recommended by the manufacturer.
 - 7.1.2.3 Platform level adjustments should not be made anywhere except at ground level (except for those special cases of products designed and intended to be safely adjusted in accordance with the manufacturer's instructions).
 - 7.1.2.4 While climbing, adjustments to the harness attachment to the tree (tether/tree belt) should be frequent and coordinated with treestand movement to maintain the least amount of slack in the tether that will allow for climbing.
 - 7.1.2.5 Familiarize yourself with the use of climbers by practicing at ground level before using in a hunting environment.
- 7.1.3 Non-climbing (fixed or hang-on) treestand topics/scenes.
 - 7.1.3.1 The use of a lineman's/climbing belt is required when installing a hang-on treestand to stabilize the user with the tree.
 - 7.1.3.2 Correct tightening and adjustments of chains, cables, straps, etc. are critical to stable hang-on treestand installation. All treestand contact points must be in contact with the tree before you step onto your stand.
 - 7.1.3.3 Practice the attachment of hang-on treestands at ground level before using in a hunting environment.
 - 7.1.3.4 Never leave a treestand in a tree for more than two weeks since weather or animals could cause damage. Tree growth can also stress and damage straps and buckles.
 - 7.1.3.5 Use a haul line to raise and lower the treestand. Never climb with anything on your back.
 - 7.1.3.6 Climbing aids (stick ladders, sectional ladders, steps, etc.) must extend above the platform to allow the user to step down onto the platform. Never step up to your stand from a climbing aid.
- 7.1.4 Ladder treestand and tripod topics/scenes.
 - 7.1.4.1 Use at least three people to install and/or take down a ladder treestand.

- 7.1.4.2 The criss-cross straps and stabilization devices must be attached before climbing to the platform.
- 7.1.4.3 When installing a ladder stand, always bounce on the first rung to set the ladder into the ground according to manufacturer's instructions before proceeding to climb any higher.
- 7.1.4.4 Check every ladder section connection every time you use the stand before you leave the ground. If ladder sections are separating, do not use the stand.
- 7.1.4.5 Check the ground under stand to make sure it is firm and level. Sloping ground or uneven surface (one side on a rock) can cause your ladder to tilt or shift off the tree as you climb.
- 7.1.4.6 Maintain three points of contact when climbing a ladder treestand.
- 7.1.4.7 Always lean forward as you climb and attach your harness to the tree before securing the platform to the tree and stepping onto the platform.
- 7.1.5 Fall Arrest System (FAS) and full body harness topics/scenes.
 - 7.1.5.1 Read and understand the manufacturer's Warnings, expiration date and instructions on how to use and how to properly adjust the harness.
 - 7.1.5.2 Practice the use of a full body harness at ground level in the presence of a responsible adult to experience the feeling of hanging suspended before using in a hunting environment.
 - 7.1.5.3 The length of the harness tether must be minimized at all times. It should be adjusted so that it is above the head with no slack (snug) in the sitting position and you should have the minimum amount of slack possible when climbing.
 - 7.1.5.4 Never allow the tether strap to get under your chin or around your neck.
 - 7.1.5.5 Failure to follow harness instructions could result in not being able to return to the stand and being suspended in a harness after a fall. If the hunting location is unknown by anyone and communication efforts are unsuccessful, you must have a personal plan for recovery/escape because prolonged suspension in a harness can be fatal. It is important to exercise the legs by pushing against the tree or doing other forms of continuous leg exercises to avoid blood pooling while being suspended. Hunters with varying degrees of physical fitness may require different plans to recover/escape the effects of prolonged suspension. Have a personal plan and practice it in the presence of a responsible adult before leaving the ground. No one escape/rescue plan will work for every hunter on every tree in every circumstance. Only you can determine the best recovery/escape plan for your hunting situation and you must have a recovery/escape plan for your situation before leaving the ground.
 - 7.1.5.5.1 A suspension relief device must be on your person and readily accessible while using a harness. These devices allow the user to relieve the load on the lower extremities if suspended in a harness and help maintain circulation in the legs, mitigate suspension trauma (blood pooling) or allow descent to the ground. Be sure to follow the manufacturers' directions on the safe use of any suspension relief device.
 - 7.1.5.5.2 Several optional products/systems are available that offer self-recovery or self extraction from a fall when suspended in a harness. Some systems automatically descend the user while others allow user control. One of these products/systems could

- 7.2.7.3.1 For units with integral seats, the method and/or adjustments required to erect the seat (where applicable).
 - 7.2.7.3.2 For units with a balance bar, arm rest, gun rest, etc., the method and/or adjustments required to erect same (where applicable)
 - 7.2.7.3.3 For two piece units (without integral seats) such as 'stand-up/sit-down' treestands notification shall be given to secure the upper and lower pieces together with a device such as a rope, strap, etc. to eliminate inadvertent separation while in use.
 - 7.2.8 For non-climbing (hang-on and ladder) treestands, the instructions shall include information about the method to install it to the tree. This shall include the use of photographs and/or diagrams to illustrate and further clarify written instructions.
 - 7.2.8.1 The use of a lineman's/climbing belt shall be presented as a means for stabilizing the user during ascent, descent and the installation of a hang-on treestand.
 - 7.2.9 Instructions shall include information on the proper care and maintenance of the unit. Information shall include, but not be limited to the following:
 - 7.2.9.1 Notice shall be given that inspection for defects from damage, rot, corrosion, cracks, freezing, excessive heat, etc before every use is required and not to use if damage is detected or suspected.
 - 7.2.9.2 Minor maintenance that the manufacturer deems reasonably appropriate for users should be recommended. Examples include, but are not limited to: re-tightening or replacement of hardware (specified and supplied by the manufacturer), replacement of rope, straps, cords, etc. (specified and supplied by the manufacturer), preserving or refinishing wood, touch-up painting, lubrication, etc.
 - 7.2.8.3 Storage and/or any conditions the unit should not be subjected to.
- 7.3 In addition to the content of Section 7.1, basic video topics/scenes shall include, but not be limited to, the following:
 - 7.3.1 Scenes/description of the method of attaching the treestand to the tree.
 - 7.3.1.1 The minimum (and maximum where applicable) tree diameter for proper use shall be explained.
 - 7.3.1.2 A procedure for adjusting the unit to fit a given diameter tree shall be explained.
 - 7.3.2 For climbing treestands, the scenes/descriptions shall include information about the method to use in climbing or descending the tree.
 - 7.3.2.1 An emphasized point shall be made in this section of the video that the user must use a fall protection device, specifically a full body safety harness, and a handclimber or climbing aid while climbing or descending.
 - 7.3.2.2 Foot placement and foot to platform attachment means adjustments (where applicable) shall be included within this section.
 - 7.3.2.3 Instruction shall be given to inform the user of details specific to the unit such as, but not limited to, the following:
 - 7.3.2.3.1 For units with integral seats, the method and/or adjustments required to erect the seat (where applicable).
 - 7.3.2.3.2 For units with a balance bar, arm rest, gun rest, etc.,

the method and/or adjustments required to erect same (where applicable)

7.3.2.3.3 For two piece units (without integral seats) such as 'stand-up/sit-down' treestands scenes/descriptions shall be shown to secure the upper and lower pieces together with a flexible device such as a rope, strap, etc. to eliminate inadvertent separation while in use.

7.3.3 For non-climbing (hang-on and ladder) treestands, the scenes/descriptions shall include information about the method to install it to the tree with emphasis on safety precautions.

7.3.3.1 The use of a lineman's/climbing belt shall be presented as a means for stabilizing the user during ascent, descent and the installation of a hang-on treestand.

7.4 Video instructions for harnesses that are separately furnished (after market) must fully address the topics in Section 7.1 above that involve, are related to, or mention harness use but are not required to cover the details of installing or using specific treestand models i.e., climbers, hang-ons, ladders or tripods. However, the proper use of the harness with each specific treestand model must be shown and explained.

8. Additional Content

8.1 It is recommended that additional instructions be given as follows:

8.1.1 Information on the method of securing applicable attachments.

8.1.2 Information (not given above) about applicable user adjustments.

8.1.3 Aids or helpful hints that are not obvious to the inexperienced user.

9. Placement

9.1 Instructions shall be included with each unit. It is recommended that (where applicable) the instructions be attached to the unit or placed within a part of the unit.

SUMMARY OF CHANGES

This section identifies the location of principle changes to this standard that have been incorporated since its last issue. Changes or additions are underlined on the section reference number.

Revision B – Sections 3.2.5, 3.2.6 and 3.2.7 added.

Revision C – Sections 3.2.6, 7.1.5 and 7.3.1 revised.

Revision D – Addition to Section 7.6 never implemented

Revision E – General re-arrangement of Sections with Sections 6.3, 6.4, 7.1, 7.3, and 7.4 added.

Revision F – Section 3.2.9, 7.1.5.4 and 7.1.5.5.1 added.


Revision G – Sections 3.2.9, 5.1, 7.1.1.2, 7.1.1.4, 7.1.1.6, 7.1.1.7, 7.1.1.12, 7.1.1.15, 7.1.1.17, 7.1.2.3, and 7.1.5.7 revised.

Revision H – Sections 3.2.9, 7.1.5.5 and 7.1.5.5.1 revised and 7.1.5.5.2 and 7.3.4 added.


Revision I – Section 6.3 revised.

Date Approved: September 30, 2011

Effective Date: January 1, 2012


(Signature and date)

Robert Ransom, President,
Treestand Manufacturers Association

9-30-11  9-30-2011
(Signature and date)

Paul Meeks, Secretary,
Treestand Manufacturers Association