

TMS 09

Standard Practice for Treestand Manufacturer Quality Assurance Program

1. Scope

- 1.1 This practice covers minimum requirements for a quality assurance program.
- 1.2 *This standard may involve hazardous materials, operations and equipment. 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 to determine the applicability of regulatory limitations prior to use.*

2. Significance and Use

- 2.1 The purpose of this practice is to provide the minimum requirements necessary for the establishment of a written quality assurance program for treestand and elevated hunting equipment.

3. Drawing Control Procedure

- 3.1 A procedure shall be in effect so that appropriate manufacturing drawings, their engineering revisions, and related documents are utilized for each project.

4. Material Control Procedures

- 4.1 A procedure shall be in effect to ensure that all materials, processes and components, including raw materials, are in accordance with the engineering specifications.
 - 4.1.1 This procedure shall provide purchasing personnel with all the information required to order appropriate material.
 - 4.1.2 A receiving procedure shall be in effect so that incoming material is checked against purchasing specifications.
 - 4.1.3 A procedure shall be in effect so that material in stock can be properly identified for future use.
 - 4.1.4 Documentation on any material, process, or components certified shall be filed for reference.
- 4.2 A procedure shall be in effect to ensure that the final assembly of each product has a permanent date code indicating its date of manufacture.
 - 4.2.1 A date code shall be located on each final product assembly.
 - 4.2.2 The date code shall include as a minimum the last digit of the year and a code for the month or the week. (Example: for March, 2009 – "39" or "C9" or "93" or "9C"). Any code that is logical, consistent and able to be decoded by the manufacturer is acceptable. Any product in production for ten years or more with no changes will have to add a third number so that the last two digits of the year is known.
 - 4.2.3 Date codes shall be made permanent.

5. Inspection

- 5.1 A procedure shall be in effect so that appropriate inspections are made on manufactured parts and subassemblies to ensure conformance with engineering specifications.
- 5.2 A procedure shall be in effect so that appropriate inspections are made on purchased components.
- 5.3 A procedure shall be in effect so completed units are inspected prior to delivery.
- 5.4 Nonconforming components shall be identified and evaluated for disposition as follows:
 - 5.4.1 Reworked components shall be re-inspected in accordance with 5.1, 5.2 or 5.3 of this practice prior to use.
 - 5.4.2 A component not suitable for use shall be altered or disposed of to avoid accidental use.
 - 5.4.3 In some cases a component may be determined to be "acceptable as is" or "as modified" after further evaluation. In such cases appropriate review acceptance and documentation shall be a requirement.

6. Testing and Compliance

- 6.1 A procedure shall be in effect to insure that product testing has been completed and that products comply with the minimum requirements of applicable TMA standards.
 - 6.1.1 The latest revision of the following applicable test methods shall be met: Test method TMS 11, TMS 12, TMS 15, TMS 17 and TMS 06.
 - 6.1.2 The latest revision of the following applicable practices shall be met: Practices TMS 01, TMS 02, TMS 03, TMS 04 and TMS 05
 - 6.1.3 Test results and applicable documents must be retained as long as the product remains in production or distribution and for a period of five (5) years after distribution ends.


SUMMARY OF CHANGES

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

Revision A - Section 6 removed.

Revision B - Section 6 added.

Revision C - Section 4.2 added



(Sign and Date) 6/26/09

Bob Ransom, President
Treestand Manufacturers Association



(Sign and Date) 6/26/09

Paul Meeks, Secretary
Treestand Manufacturers Association