



O5.TR.01.2009

**PHOTOGRAPHIC MANUAL OF WOOD POLE CHARACTERISTICS (BASED
ON ANSI O5.1.2008)**

TECHNICAL REPORT



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O5.TR.01.2009, *Photographic Manual of Wood Pole Characteristics (Based on ANSI O5.1.2008)*

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Technical Report on

**PHOTOGRAPHIC MANUAL OF WOOD POLE CHARACTERISTICS
(BASED ON ANSI O5.1.2008)**

Secretariat

American Wood Protection Association

Approved August 2009

Abstract

This Technical Report (TR) has been developed to assist users of American National Standard O5.1.2008 in the inspection of wood utility poles prior to treatment.

ANSI O5.4.2009

FOREWORD

Accredited Standards Committee O5 on Specifications for Wood Poles is accredited by the American National Standards Institute and develops standards for use by the telecommunications, utilities and other industries in areas dealing with wood poles and other wood products, including standardization of dimensional classifications, defect descriptions and limitations, manufacturing practices, fiber stresses and quality assurance procedures for wood poles and other wood products used in the construction of electric supply and communication lines.

In this document, mandatory requirements are designated by the word *shall* and recommendations by the word *should*. Where both a mandatory requirement and a recommendation are specified for the same criterion, the recommendation represents a goal currently identifiable as having distinct compatibility or performance advantages.

Suggestions for improvement of this document are welcome. They should be sent to the American Wood Protection Association, P.O. Box 361784, Birmingham, AL 35236 <www.awpa.com>.

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Technical Report on –

Photographic Manual of Wood Pole Characteristics (Based on ANSI O5.1.2008)

1 SCOPE

This document has been developed to assist users of American National Standard O5.1.2008 in the inspection of wood utility poles prior to treatment. This document is not a standard, but merely a guide to the standards and specifications. Each wood pole characteristic is alphabetically arranged for ease of use and each image is provided in color. The section numbers below correspond to each term's applicable sections of the O5.1 Standard.

2 NORMATIVE REFERENCES

The following standard contains provisions which, through reference in this text, constitute provisions of this Technical Report. At the time of publication, the edition indicated was valid. All standards are subject to revision, and the parties to agreements based on this Technical Report are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below.

ANSI O5.1.2008, Specifications and Dimensions (for Wood Poles)¹ and all supplements thereto.

3 WOOD POLE CHARACTERISTICS

3.1 *Bark Inclusion (O5.1, Section 5.4.1)*

A *bark inclusion* typically forms when a branch of a tree dies, and the main stem of the tree grows around the dead branch, including the bark of the branch, as well as the bark of the main stem. Bark inclusions are permitted to be a maximum of two inches (5cm) deep, and may be trimmed as necessary to determine depth. These three photos all show various bark inclusions in Southern pine.

¹ This document is available from the American Wood Protection Association < <http://www.awpa.com> >.