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AMERICAN SOCIETY FOR TESTING AND MATERIALS
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Standard Practice for Organizations Engaged in the Certification of Personnel Testing and Inspecting Bituminous Paving Materials¹

This standard is issued under the fixed designation D 5506; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This practice covers a standard for establishing evaluation and certification procedures for personnel engaged in testing and inspecting bituminous paving materials in accordance with specified test methods and is intended for use by independent organizations providing certification services.

NOTE 1—Refer to Specifications D 3666 for information on the minimum requirements for agencies testing and inspecting bituminous paving materials and to Practice D 4561 for information on quality control systems for organizations producing and applying bituminous paving materials.

1.2 Qualification for certification candidates, qualifications of those administering the certification examinations, methods of administering the certification tests, and certain certification organization operating requirements are given.

1.3 Competency determination typically includes a monitored written examination and a performance evaluation.

1.4 *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:

D 2726 Test Method for Bulk Specific Gravity of Compacted Bituminous Mixtures Using Saturated Surface-Dry Specimens²

D 3666 Specification for Minimum Requirements for Agencies Testing and Inspecting Bituminous Paving Materials³

D 4561 Practice for Quality Control Systems for Organizations Producing and Applying Bituminous Paving Materials²

2.2 AASHTO Standard:⁴

AASHTO T-164 Quantitative Extraction of Bitumen from

Bituminous Paving Mixtures

2.3 Other Documents:

Development, Administration, Scoring and Reporting of Credentialing Examinations: Recommendations for Board Members, March 1993.⁵

Guidelines for Engineering and Related Specialty Certification Programs, June 1991.⁶

Guidelines for Non-Written Examinations, January 1991.⁷

Principles of Fairness: An Examining Guide for Credentialing Boards, February 1993.⁸

Standards for Accreditation of National Certification Organizations, July 1995.⁷

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

3.1.1 *accreditation*—the formal recognition that a certification organization and its program(s) conform to a set of requirements established by a nationally recognized accreditation body.

3.1.2 *certificant*—an individual who has been certified by a certification organization.

3.1.3 *certification*—an action that determines and announces that an individual has fulfilled the pre-established requirements and is certified to perform the designated task(s) associated with a test method.

3.1.4 *certification organization*—an independent body engaged in the evaluation and credentialing of the knowledge, skills and abilities of individuals who perform specified tasks.

3.1.5 *examinee*—certification applicant involved in the examination process.

3.1.6 *examiner*—a qualified professional who is responsible for administering and evaluating the performance examination component of the certification process.

3.1.7 *proctor*—a qualified individual who is responsible for administering the written examination component of the certification process.

¹ This practice is under the jurisdiction of ASTM Committee D-4 on Road and Paving Materials and is the direct responsibility of Subcommittee D04.95 on Laboratory Evaluation.

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² *Annual Book of ASTM Standards*, Vol 04.03.

³ *Annual Book of ASTM Standards*, Vol 04.03.

⁴ Available from the American Association of State Highway and Transportation Officials (AASHTO), 444 N. Capitol St., NW, Washington, DC 20001.

⁵ Available from the Council on Licensure, Enforcement and Regulation (CLEAR), 403 Marquis Avenue, Suite 100, Lexington, KY 40502.

⁶ Available from the Council of Engineering and Scientific Specialty Boards (CESB), 130 Holiday Court, Suite 100, Annapolis, MD 21401.

⁷ Available from the National Commission for Certifying Agencies (NCCA), 1101 Connecticut Avenue, N.W., Suite 70, Washington, D.C. 20036.

⁸ Available from The National Organization for Competency Assurance (NOCA), 1200 19th Street, N.W., Suite 300, Washington, D.C. 20036-2422.