

CHAPTER 69-10-03 STANDARDS

Section

- 69-10-03-01 National Institute of Standards and Technology (NIST) Handbook No. 44
- 69-10-03-01.1 National Institute of Standards and Technology (NIST) Handbook No. 44 - NTEP - Exceptions
- 69-10-03-01.2 National Institute of Standards and Technology (NIST) Handbook No. 105-1 - Specifications and Tolerances for Reference Standards and Field Standard Weights and Measures - Specifications and Tolerances for Class F Field Standard Weights
- 69-10-03-01.3 National Institute of Standards and Technology (NIST) Handbook No. 105-3 - Specifications and Tolerances for Reference Standards and Field Standard Weights and Measures - Specifications and Tolerances for Graduated Neck-Type Volumetric Field Standards
- 69-10-03-01.4 National Institute of Standards and Technology (NIST) Handbook No. 105-4 - Specifications and Tolerances for Reference Standards and Field Standard Weights and Measures - Specifications and Tolerances for Liquefied Petroleum Gas and Anhydrous Ammonia Liquid Volumetric Provers
- 69-10-03-02 Adequate Standards
- 69-10-03-03 Master Test Weights and Prover Tanks [Repealed]
- 69-10-03-04 Enforcement [Repealed]
- 69-10-03-05 Weight Carts [Repealed]
- 69-10-03-06 Metrology Service [Repealed]
- 69-10-03-07 Delivery of Standards for Certification [Repealed]
- 69-10-03-08 Rejection of Standards

69-10-03-01. National institute of standards and technology (NIST) Handbook No. 44.

Except as modified in this article, the specifications, tolerances, tests, and other technical requirements for commercial weighing and measuring devices in North Dakota must conform to the following sections and subsections of the 1999 edition of the United States department of commerce, NIST Handbook No. 44, which is adopted by reference: all of section 1, section 2 (except subsection 2.24), all of subsection 3.30, subsection 3.31 (except S.1.1.1., UR.2.2., and UR.2.3.), subsection 3.32 (except UR.2.5. and UR.2.6.), and all of subsections 3.33, 3.35, and 3.37. In the event of a conflict between the NIST Handbook No. 44 and North Dakota laws and rules, North Dakota laws and rules shall prevail. Copies of the handbook may be obtained from:

Public Service Commission
600 East Boulevard, Dept. 408
Bismarck, ND 58505-0480

History: Amended effective October 1, 1988; December 1, 1990; February 1, 1992; August 1, 1993; September 1, 1994; February 1, 1996; July 1, 1997; July 1, 1998; October 1, 1999; August 1, 2000; January 1, 2002; May 1, 2005.

General Authority: NDCC 64-02-03

Law Implemented: NDCC 64-02-07

69-10-03-01.1. National institute of standards and technology (NIST) Handbook No. 44 - NTEP - Exceptions.

North Dakota may consider the requirements of the national type evaluation program (NTEP) referenced within any edition of NIST Handbook No. 44 adopted by this state, but shall not require NTEP certification as a prerequisite for the design, sale, installation, operation, and certification of a commercial device.

History: Effective January 1, 2002.
General Authority: NDCC 64-02-03
Law Implemented: NDCC 64-02-02

69-10-03-01.2. National institute of standards and technology (NIST) Handbook No. 105-1 - Specifications and tolerances for reference standards and field standard weights and measures - Specifications and tolerances for class f field standard weights.

The specifications, tolerances, and other technical requirements for reference standards and field standards used for testing commercial weighing and measuring devices in North Dakota shall conform to the sections and subsections of the 1990 edition of the United States department of commerce, NIST Handbook No. 105-1, which is adopted by reference. In the event of a conflict, North Dakota laws and other administrative rules shall prevail. Copies of the handbook may be obtained from:

Public Service Commission
600 East Boulevard, Dept. 408
Bismarck, ND 58505-0480

History: Effective March 1, 2003.
General Authority: NDCC 64-02-03
Law Implemented: NDCC 64-02-03

69-10-03-01.3. National institute of standards and technology (NIST) Handbook No. 105-3 - Specifications and tolerances for reference standards and field standard weights and measures - Specifications and tolerances for graduated neck-type volumetric field standards.

The specifications, tolerances, and other technical requirements for reference standards and field standards used for testing commercial measuring devices in North Dakota shall conform to the sections and subsections of the 1997 edition of the United States department of commerce, NIST Handbook No. 105-3, which is adopted by reference. In the event of a conflict, North Dakota laws and other administrative rules shall prevail. Copies of the handbook may be obtained from:

Public Service Commission
600 East Boulevard, Dept. 408
Bismarck, ND 58505-0480

History: Effective March 1, 2003.
General Authority: NDCC 64-02-03
Law Implemented: NDCC 64-02-03

69-10-03-01.4. National institute of standards and technology (NIST) Handbook No. 105-4 - Specifications and tolerances for reference standards and field standard weights and measures - Specifications and tolerances for liquefied petroleum gas and anhydrous ammonia liquid volumetric provers.

The specifications, tolerances, and other technical requirements for reference standards and field standards used for testing commercial liquefied petroleum gas and anhydrous ammonia liquid measuring devices in North Dakota shall conform to the sections and subsections of the 1997 edition of the United States department of commerce, NIST Handbook No. 105-4, which is adopted by reference. In the event of a conflict, North Dakota laws and other administrative rules shall prevail. Copies of the handbook may be obtained from:

Public Service Commission
600 East Boulevard, Dept. 408
Bismarck, ND 58505-0480

History: Effective March 1, 2003.

General Authority: NDCC 64-02-03

Law Implemented: NDCC 64-02-03

69-10-03-02. Adequate standards.

A standard used to certify any commercial weighing and measuring device must be annually certified as traceable by a NIST-recognized metrology laboratory. The commission may extend the twelve-month recertification interval up to fifteen months.

A current legible copy of the certificate of traceability must be maintained with the commission.

Annual recertification is subject to the following exceptions and conditions:

1. The standards integral to and used for recertification of a commercial automatic bulk-weighing system must be certified traceable by a NIST-recognized laboratory at least once every five years.
2. The volumetric provers used to certify loading-rack meters must be certified traceable by a NIST-recognized laboratory at least once every three years.
3. Unless otherwise approved by the commission, the operator of a coal belt conveyor scale jurisdictional to the commission must conduct a material load test at least once every two years provided that electronic or other simulated load testing is done at least once every three months.
4. A master meter may not be used as a standard to certify commercial LPG devices.
5. Notwithstanding the other provisions of this section, the commission may require recertification of any standard if upon inspection the physical condition of a standard indicates a need for recertification.

History: Amended effective April 1, 1992; September 1, 1994; February 1, 1996; July 1, 1997; July 1, 2008; October 1, 2010.

General Authority: NDCC 64-02-03

Law Implemented: NDCC 64-02-02, 64-02-13

69-10-03-03. Master test weights and prover tanks.

Repealed effective April 1, 1992.

69-10-03-04. Enforcement.

Repealed effective May 1, 2005.

69-10-03-05. Weight carts.

Repealed effective October 1, 2010.

69-10-03-06. Metrology service.

Repealed effective October 1, 2010.

69-10-03-07. Delivery of standards for certification.

Repealed effective October 1, 2010.

69-10-03-08. Rejection of standards.

Standards rejected by a NIST-recognized laboratory must be removed from service as follows:

1. A standard that has been rejected must be conspicuously marked by sealing, tagging, or painting as appropriate to that standard.
2. A rejected standard may not be used to test and certify a commercial weighing and measuring device. The use of a rejected standard may result in commission enforcement action.
3. A standard not meeting appropriate design criteria may be allowed to remain in service for a limited time, provided a variance permit is obtained from the commission prior to certification or recertification.

History: Effective May 1, 2005; amended effective July 1, 2008; October 1, 2010.

General Authority: NDCC 64-02-03

Law Implemented: NDCC 64-02-02