

SUBCHAPTER A—MEASUREMENT SERVICES

PART 200—POLICIES, SERVICES, PROCEDURES, AND FEES

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AUTHORITY: Sec. 9, 31 Stat. 1450, as amended; 15 U.S.C. 277. Interprets or applies sec. 7, 31 Stat. 1450; 15 U.S.C. 275a.

SOURCE: 45 FR 55166, Aug. 19, 1980, unless otherwise noted.

§ 200.100 Statutory functions.

(a) The National Institute of Standards & Technology (NIST) has been assigned the following functions (15 U.S.C. 271 *et seq.*):

(1) The custody, maintenance, and development of the national standards of measurement, and the provision of means and methods for making measurements consistent with those standards, including the comparison of standards used in scientific investigations, engineering, manufacturing, commerce, and educational institutions with the standards adopted or recognized by the Government.

(2) The determination of physical constants and properties of materials when such data are of great importance to scientific or manufacturing interests and are not to be obtained with sufficient accuracy elsewhere.

(3) The development of methods for testing materials, mechanisms, and structures, and the testing of materials, supplies, and equipment, including items purchased for use of Government departments and independent establishments.

(4) Cooperation with other governmental agencies and with private organizations in the establishment of standard practices, incorporated in codes and specifications.

(5) Advisory service to Government agencies on scientific and technical problems.

(6) Invention and development of devices to serve special needs of the Government.

(b) The calibration and testing activities of NIST stem from the functions in paragraphs (a) (1) and (3) of this section. NIST provides the central basis within the United States for a complete and consistent system of measurement; coordinates that system, and the measurement systems of other nations; and furnishes essential services leading to accurate and uniform physical measurements throughout this Nation's scientific community, industry, and commerce.

(c) The provision of standard reference materials for sale to the public is assigned to the Office of Standard Reference Materials of the National Measurement Laboratory, NIST. That Office evaluates the requirements of science and industry for carefully characterized reference materials, stimulates efforts of NIST to develop methods for production of needed reference materials and directs their production and distribution. For further information on standard reference materials see Subchapter B, Chapter II, Part 230, of this title.

§ 200.101 Measurement research.

(a) The NIST staff continually reviews the advances in science and the trends in technology, examines the measurement potentialities of newly discovered physical phenomena, and uses these to devise and improve standards, measuring devices, and measurement techniques. As new requirements appear, there are continual shifts of program emphasis to meet the most urgent needs for the measurement of additional quantities, extended ranges, or improved accuracies.

(b) The basic research and development activities of NIST are primarily