

For the Human Touch of Technology Services

Information Services Division

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Standard Services Division

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Measurement Services Division

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Weights & Measurements Division

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A vertical rectangular graphic with a blue background and a yellow border. The background features faint, stylized text and symbols related to science and technology, such as 'time', 'luminous intensity', 'mass', 'kg', 'electromagnetic', 'amount of', 'length', and 'm'. The NIST logo is prominently displayed in the upper center in a large, bold, yellow font. Below it, the text 'Your Gateway to Standards Resources' is written in a large, bold, yellow font. At the bottom, the text 'National Institute of Standards and Technology (NIST) Information Services Division (ISD)' is written in a smaller, white font.

Publicly Available Standards, Recommended Values, and Guidelines

NIST is a non-regulatory agency of the U.S. Department of Commerce. NIST assures the technical soundness and acts as an unbiased coordinator in the development of standards as a means to facilitate trade and a healthy economy. NIST does not set standards, but recommends standards to regulatory agencies and standards setting organizations.

Technology Services (TS) provides a variety of products and services to U.S. industry and the public in collaboration with NIST laboratories, federal agencies, national measurement institutes, state and local governments, and the private sector.

Standards

<http://nvl.nist.gov> choose the “Standards” link

Federal Information Processing Standards – FIPS

<http://www.itl.nist.gov/fipspubs/>

NIST develops standards, guidelines, and associated methods and techniques for Federal computer systems, including

- Those needed to assure the cost-effective security and privacy of sensitive information in Federal computer systems,
- When there are compelling Federal requirements and there are no existing voluntary industry standards.

Example: FIPS 197: Advanced Encryption Standard

Voluntary Product Standards

<http://ts.nist.gov/ts/htdocs/210/sccg/vps.htm>

The purpose of these standards is to establish nationally recognized requirements for products and to provide all concerned interests with a basis for common understanding of the characteristics of a product.

Example: Product Standard 20-99: American Softwood Lumber Standard

Standards Reference Service

NIST's **National Center for Standards and Certification Information**

(<http://www.nist.gov/ncsci>) provides free standards reference service. NCSCI can identify relevant national and international standards and standards related information. NCSCI does not provide copies of standards, but will inform you where a standard may be purchased.

Standards.Gov

<http://standards.gov>

Standards.Gov offers background materials, useful links, and search tools for locating information about the use of standards in government.

Notify U. S.

<http://tsapps.nist.gov/notifyus/data/index/index.cfm>

An email notification service on proposed foreign regulations that may affect U.S. exports

Recommended Values

NIST Standard Reference Data

<http://www.nist.gov/srd/>

NIST provides documented numeric data for use in technical problem-solving, research, and development. These recommended values are based on data which have been extracted from the world's literature, assessed for reliability, and then evaluated to select the preferred values.

The **NIST Data Gateway**, <http://srdata.nist.gov/gateway/>, is a federated search of NIST standard reference data databases. Includes both free and fee databases.

Examples: Hydrocarbon Spectral Database, NIST Chemistry Webbook

Guidelines

Computer Security Guidelines

<http://csrc.nist.gov/publications/nistpubs/index.html>

NIST Special Publication 800 series features NIST recommended guidelines for information technology security.

Example: NIST SP 800-58: Security Considerations for Voice Over IP Systems

Images

NIST Virtual Museum (NVM)

<http://museum.nist.gov/>

The NVM consists of images of artifacts related to the historical development of measurement standardization in many fields: electricity, time, temperature, and light are just a few.