

NIST VIRTUAL LIBRARY (NVL)

Standards Resources

<http://nvl.nist.gov>

The screenshot shows the NIST Virtual Library website. At the top, there is a navigation bar with the NIST logo and the text "The NVL...where our customers' needs shape our future." Below this, the main content area is divided into several sections:

- General Research:** A list of links including Online Catalogs, Databases, Journals, Standards, Alerts, NIST Museum, Reference Shelf, and Ariving Services.
- Research by Subject:** A list of subject areas such as Biophysics & Health, Biotechnology, Business, Chemistry, Computer Science, Engineering, Homeland Security, Materials Science, Math/Statistics, Nanotechnology, and Physics.
- Publishing Guide:** Links to Manuscript Review/WERB, Style Guides, Document Templates, Bibliography Software, and Print/On Services.
- NIST Publications:** Links to NIST, Search NIST Pub, Journal of Research, Technical Alerts, and ISD Newsletters.
- Library Collections:** Links to Core Journals, New Books, State-of-the-Art Area Books, NIST Archives, NIST Colloquia, Historical Collection, and IT Security Collection.
- About the Information Services Division:** Links to Services Directory, About the Library, Library Advisory Board, and Help Desk.
- Quicklinks:** A search interface with dropdown menus for "Select a Publication" (Nature, CRC Handbook Chemistry, Science, A Century of Excellence) and "Select a Database" (Web of Science, INSPEC, IEEE Xplore, OCLC FirstSearch).
- ISD Highlights:** A section titled "New Exhibits for 2005 World Year of Physics" with a graphic and text about exhibits in the Admin Bldg Hall of Standards and the Museum lobby.
- Condor Award Nominations:** A section with a deadline of May 27, 2005, and information about the award.
- How do I...:** A section providing information on receiving publication alerts from AIP journals, with a table of contents link.
- Contact Information:** Contact details for the Information Services Division, including address, phone, and fax.
- Footer:** Links for Privacy Policy, Security Notice, Accessibility Statement, and Disclaimer, along with creation and modification dates.

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5/2005



Publicly Available Standards, Recommended Values, and Guidelines

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

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.

Standards

Federal Information Processing Standards – FIPS

Standards for Federal Information Systems. Also used by government contractors and private industry.

Example: FIPS 197: Advanced Encryption Standard

Voluntary Product Standards

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 provides free standards reference service. NCSCI can identify relevant national and international standards and standards related information. The Center does not provide copies of standards. Will inform you where a standard may be purchased.

Recommended Values

NIST Standard Reference Data

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** 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

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

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