

Maryland Federal Facilities Profile

National Institute of Standards and Technology (NIST)



100 Bureau Drive
Gaithersburg, Maryland 20899
301-975-6478
Montgomery County
www.nist.gov

Director: Dr. Walter Copan

Department: Department of Commerce (DOC)

Maryland Employees: 2,000

Procurement Contracts in 2017:

- \$284,914,713 US Total
- \$142,210,883 Performed in Maryland

History & Mission: NIST, formerly known as the National Bureau of Standards, was founded on March 3, 1901 and moved its headquarters from Washington, D.C., to Gaithersburg in 1966.

NIST, a non-regulatory federal agency, solves science and technology problems today so that U.S. industry and science can produce the improved products, services, and technologies of tomorrow. From atomic clocks and online banking to mammograms and cell phones, NIST supports U.S. innovation through research, measurements, standards, business services, and other programs.

NIST technology, measurements, and standards help U.S. industry invent and manufacture superior products reliably, provide critical services, ensure a fair marketplace for consumers and businesses, and promote acceptance of U.S. products in foreign markets. As industrial and national priorities change, NIST responds to the nation's most critical and emerging needs.

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Major Divisions

Baldrige Performance Excellence Program (Montgomery County)	Material Measurement Laboratory (MML) (Montgomery County)
NIST Center for Nanoscale Science and Technology (CNST) (Montgomery County)	NIST Center for Neutron Research (NCNR) (Montgomery County)
Engineering Laboratory (EL) (Montgomery County)	Physical Measurement Laboratory (PML) (Montgomery County)
Hollings Manufacturing Extension Partnership (MEP) (Montgomery County)	Special Programs Office (SPO) (Montgomery County)
Information Technology Laboratory (ITL) (Montgomery County)	Standards Coordination Office (SCO) (Montgomery County)

Resources

[Acquisition Forecast](#)
[E-Commerce Solicitations](#)
[Small Business Resources](#)
[Technology Partnership Office](#)
[SBIR Program](#)
[Vendor Outreach](#)

Branches and Contacts

Office of the Director

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Acquisitions Management Division

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Technology Partnership Office

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National Institute of Standards and Technology (NIST)

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Center of Excellence

National Cyber Security Center of Excellence

The National Cybersecurity Center of Excellence (NCCoE) at the National Institute of Standards and Technology (NIST) works with experts from industry, government, and academia to address businesses' most pressing cybersecurity problems with practical, standards-based solutions using commercially available technologies.

Baldrige Performance Excellence Program

The Baldrige Performance Excellence Program is the nation's public-private partnership dedicated to performance excellence and to improve the competitiveness and performance of U.S. organizations.

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Center for Nanoscale Science and Technology (CNST)

CNST supports the development of nanotechnology from discovery to production through two complementary components: the Research Program which develops innovative nanoscale measurement and fabrication capabilities; and the NanoFab, a shared-use facility accessible to all on a cost-reimbursable basis, providing researchers rapid access to a comprehensive suite of tools and processes for nanofabrication. Its mission is to develop tools and processes that will have an immediate and significant impact on the commercial viability of nanotechnologies in a diverse array of fields, such as electronics, computation, information storage, medical diagnostics and therapeutics, and national security and defense.

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[Engineering Lab \(EL\)](#)

The Engineering Laboratory promotes the development and dissemination of advanced technologies, guidelines, and services to the U.S. manufacturing and construction industries through activities including measurement science research, performance metrics, tools and methodologies for engineering applications, and critical technical contributions to standards and codes development.

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[Hollings Manufacturing Extension Program \(MEP\)](#)

MEP's national network of specialists works with manufacturers to deliver cost-savings through increased or retained sales. Its services and access to public and private resources enhance growth, improve productivity, and expand capacity. Competitive funding opportunities are announced in the Federal Register and at www.grants.gov. Federal funding opportunities are also announced on their website.

[Industry Day Opportunities](#)

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[Information Technology Laboratory \(ITL\)](#)

ITL supports US industry, government, and academia by promoting innovation and industrial competitiveness through advancement of information technology measurement science, standards, and technology in ways that enhance economic security and improve our quality of life. Charged to lead the nation in utilizing existing and emerging IT to meet national priorities that reflect the country's broad based social, economic, and political values and goals. Under the Federal Information Security Management Act, ITL develops cybersecurity standards, guidelines, methods and techniques; under the USA PATRIOT Act and the Help America Vote Act, ITL addresses challenges in homeland security and electronic voting.

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[Material Measurement Laboratory \(MML\)](#)

The Material Measurement Laboratory (MML) is one of two metrology laboratories within the National Institute of Standards and Technology. The MML supports the NIST mission by serving as the national reference laboratory for measurements in the chemical, biological and material sciences.

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[NIST Center for Neutron Research](#)

Provides neutron measurement capabilities to the US research community using thermal and cold neutrons; its instruments rely on intense beams of cold neutrons emanating from an advanced liquid hydrogen moderator. NCNR is a safe, cost-effective national resource conducting research on neutron techniques and developing new neutron measurement techniques.

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[Physical Measurement Laboratory \(PML\)](#)

The PML develops and disseminates the national standards of length, mass, force and shock, acceleration, time and frequency, electricity, temperature, humidity, pressure and vacuum, liquid and gas flow, and electromagnetic, optical, microwave, acoustic, ultrasonic, and ionizing radiation. Its activities range from fundamental measurement research through provision of measurement services, standards, and data.

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[Special Programs Office \(SPO\)](#)

The Special Programs Office (SPO) of the National Institute of Standards and Technology (NIST) fosters communication and collaboration between NIST and external communities focused on critical national needs. To meet these needs, the SPO works closely with and forges partnerships among government, military, academia, professional organizations, and the private industry to provide world-class leadership in standards and technology innovation. The current topic areas of the SPO include energy programs, forensic science programs, greenhouse gas and climate science measurements programs, and national security standards programs.

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[Standards Coordination Office \(SCO\)](#)

The Standards Coordination Office of the National Institute of Standards and Technology conducts standards-related programs, and provides knowledge and services that strengthen the U.S. economy and improve the quality of life. Our goal is to equip U.S. industry with the standards-related tools and information necessary to effectively compete in the global marketplace.

[Workshops and Training Information](#)

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