

Technology Administration

The Technology Administration (TA) works with U.S. industry to maximize technology's contribution to U.S. economic growth. Led by the Under Secretary for Technology (US), TA fulfills its broad responsibilities through its component organizations: the Office of Technology Policy (OTP), the National Institute of Standards and Technology (NIST), and the National Technical Information Service (NTIS).

Summary of Appropriations

<u>Funding Levels</u>	2003 <u>Actual</u>	2004 <u>Estimate</u>	2005 <u>Estimate</u>	Increase <u>(Decrease)</u>
Under Secretary / Office of Technology Policy	\$9,822	\$6,343	\$8,294	\$1,951
National Institute of Standards and Technology	707,505	608,508	521,469	(87,039)
National Technical Information Service	0	0	0	0
<u>FTE</u>				
Under Secretary / Office of Technology Policy	42	44	50	6
National Institute of Standards and Technology	3,019	3,012	2,890	(122)
National Technical Information Service	181	260	260	0

TA Performance Measures

The activities under the TA accounts support Commerce's strategic goal to foster science and technological leadership by protecting intellectual property, enhancing technical standards, and advancing measurement science.

US/OTP's focus is on the following performance goal: Provide leadership in promoting national technology policies that facilitate U.S. preeminence in key areas of science and technology. US/OTP's FY 2004 APP identified three key action areas: outreach, analysis/education, and advocacy. These continue to be the broad areas in which US/OTP plans to accomplish its goals, and they have been incorporated into the FY 2005 plan within the following four general goals and objectives:

- Support and improve the American innovation system.
- Advance the role technology plays in U.S. economic growth and homeland security.
- Strengthen the competitive position of American technology industries.
- Strengthen US/OTP's organization, capabilities, and resources to maximize the effectiveness of its activities and services.

NIST focuses on five performance goals. Two cover the activities of the NIST laboratory program and the other three represent individual goals for the Advanced Technology Program, the Manufacturing Extension Partnership Program, and the Baldrige National Quality Program.

NTIS's focus is on the following performance goal: Enhance public access to worldwide scientific and technical information through improved acquisition and dissemination activities.

The following table shows the measures that TA uses to gauge its performance. A more detailed description of these goals and measures is in the TA section of the Department of Commerce budget.

Performance Goals (Obligations) and Measures (Targets)

(Dollars in millions)

	2003 <u>Actual</u>	2004 Estimate / <u>Target</u>	2005 Estimate / <u>Target</u>
OTP Goal: Provide leadership in promoting national technology policies that facilitate U.S. preeminence in key areas of science and technology.	\$9.8	\$6.7	\$8.7
Support improve American innovation system	Activities Completed	Complete list of activities	Complete list of activities
Advance role of technology in U.S. economic growth and homeland security	Activities Completed	Complete list of activities	Complete list of activities
Strengthen competitive position of American technology industries	Activities Completed	Complete list of activities	Complete list of activities
Strengthen US/OTP's organization, capabilities and resources to maximize the effectiveness of its activities and services	Activities Completed	Complete list of activities	Complete list of activities
NIST Laboratory Goal 1: Provide technical leadership for the nation's measurement and standards infrastructure	\$596.1	\$601.5	\$638.6
Qualitative assessment and review of technical quality and merit using peer review	Completed	To complete	To complete
Peer reviewed technical publications	1,267	1,300	1,300
Citation impact of NIST authored publications	New	Above Average	Above Average
NIST Laboratory Goal 2: Assure the availability and efficient transfer of measurement and standards capabilities essential to established industries	*	*	*
Standard reference materials sold	29,527	29,500	29,500
NIST maintained datasets downloaded	55,653,972	56,000,000	56,000,000
Number of items calibrated	3,194	2,800	2,700
Economic impact studies	Not Completed	To be completed	To be completed
NIST-ATP Goal: Accelerate private investment in and development of high-risk, broad-impact technologies.	\$199.7	\$193.7	\$0.0
Cumulative number of publications	Avail. 5/04	990	1,090
Cumulative number of patents	Avail. 5/04	1,220	1,310
Cumulative number of technologies under commercialization	Avail. 5/04	250	270
NIST-MEP Goal: Raise the productivity and competitiveness of small manufacturers.	\$111.3	\$40.6	\$39.3
Number of clients served by MEP centers receiving Federal funding	18,422	392	TBD
Increased sales attributed to MEP centers receiving Federal funding	Avail. 12/04	\$13 M	TBD
Capital investment attributed to centers receiving Federal funding	Avail. 12/04	\$17 M	TBD
Cost savings attributed to MEP centers receiving Federal funding	Avail. 12/04	\$9 M	TBD
NIST-BNQP Goal: Catalyze and reward quality and performance improvement practices in U.S. businesses and other organizations.	\$8.3	\$8.4	\$7.9
Percent of applicants indicating satisfaction with the relevance of the feedback report	Avail 4/04	88%	88%
Number of Baldrige criteria disseminated	948,832	1,032,486	1,129,735
NTIS Goal: Enhance public access to world wide scientific and technical information through improved acquisition and dissemination activities.	\$27.7	\$51.2	\$40.0
Number of new items available (annual)	530,910	525,000	530,000
Number of information products disseminated (annual)	29,134,050	18,000,000	18,500,000
Customer satisfaction	97%	98%	98%
Total	\$953.0	\$902.2	\$734.5

* Goal 2 funding is included in the funds of Goal 1 because these funds represent all funds provided to NIST's laboratories.

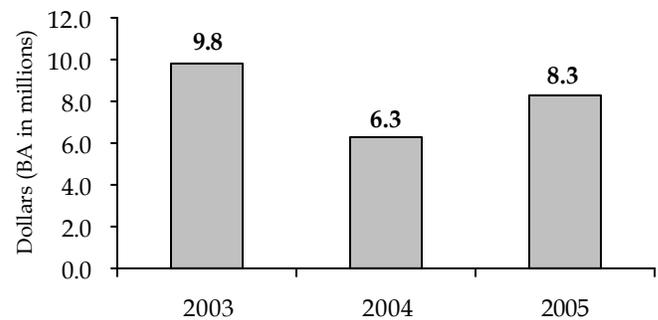
Office of the Under Secretary / Office of Technology Policy

The Office of the Under Secretary for Technology provides policy guidance to the Secretary of Commerce and the Technology Administration's component agencies (NIST and NTIS) and serves as an advocate for innovation and industrial competitiveness within and outside government. The Under Secretary serves on the Executive Committee of the Committee on Technology within the President's National Science and Technology Council, coordinates the civilian technology efforts of federal agencies, and helps to shape federal civilian R&D priorities based upon the needs of industry. The Under Secretary also provides counsel to the Secretary of Commerce on all matters affecting innovation and coordinates with counterpart offices in the trade and economic agencies to

create unified, integrated trade and technology policies. Pursuant to these roles, the Under Secretary oversees and utilizes the analytical, outreach, and policy development expertise of the Office of Technology Policy (OTP).

The Office of Technology Policy works in partnership with the private sector to develop and advocate national policies and initiatives to build America's economic strength. Within OTP, the Office of Technology Competitiveness promotes domestic technological competitiveness in four interrelated policy areas: technology development and transfer, business innovation, state and local efforts to promote technology-based economic growth, and work force preparation for a technology-driven future. The Office works closely with industry, conducts issue analyses, disseminates reports and other useful information, and supports the Assistant Secretary in developing and advocating policy tools that can advance U.S. innovation, technological growth, and competitiveness. Also within OTP, the Office of International Technology promotes international technology partnerships to strengthen U.S. competitiveness, and advocates policies to advance U.S. technology in the global economy.

US/OTP Funding



Summary of Appropriations

Funding Levels

Appropriation	2003 Actual	2004 Estimate	2005 Estimate	Increase (Decrease)
Salaries and Expenses	\$9,822	\$6,343	\$8,294	\$1,951
FTE				
Salaries and Expenses	41	43	49	6
Reimbursable	1	1	1	0
Total	42	44	50	6

Highlights of Budget Changes

Appropriation: Salaries and Expenses

Summary of Requirements

	Detailed		Summary	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
2004 Appropriation			43	\$6,343
Adjustments to Base				
Transfers				
Transfer National Medal of Technology Program from NIST	2	\$450		
Transfer Office of Space Commercialization function from NOAA	4	600		
Subtotal, transfers			6	1,050
Adjustments				
Restoration of Rescissions		68		
Restoration of FY 2004 base reductions		500		
			0	568
Other Changes				
2004 Pay raise		54		
2005 Pay raise		60		
Payment to the Working Capital Fund		4		
Within grade step increases		8		
Change in compensable day		(20)		
Civil Service Retirement System(CSRS)		7		
Federal Employees' Retirement System(FERS)		(11)		
Thrift Savings Plan		(2)		
Federal Insurance Contributions Act (FICA) -OASDI		(15)		
Health insurance		16		
Travel: Per Diem		2		
Rent payments to GSA		28		
Printing and reproduction		1		
Other services: Working Capital Fund		57		
General pricing level adjustment:				
Communications, utilities, & misc.		1		
Other services		13		
Supplies and materials		1		
Subtotal, other cost changes			0	204
TOTAL, ADJUSTMENTS TO BASE			6	1,822
2005 Base			49	8,165
Program Changes			0	129
2005 APPROPRIATION			49	8,294

Comparison by Activity

	2004 Currently Avail.		2005 Base		2005 Estimate		Increase / Decrease	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
DIRECT OBLIGATIONS								
Under Secretary / Office of Technology Policy	43	\$6,343	49	\$8,165	49	\$8,294	0	\$129
TOTAL DIRECT OBLIGATIONS	43	6,343	49	8,165	49	8,294	0	129
REIMBURSABLE OBLIGATIONS	1	400	1	400	1	400	0	0
TOTAL OBLIGATIONS	44	6,743	50	8,565	50	8,694	0	129
FINANCING								
Offsetting collections from:								
Federal funds	(1)	(400)			(1)	(400)		
TOTAL BUDGET AUTHORITY	43	6,343			49	8,294		

Highlights of Program Changes

	<u>Base</u>		<u>Increase / Decrease</u>	
	<u>FTE</u>	<u>Amount</u>	<u>FTE</u>	<u>Amount</u>
<u>Under Secretary for Technology/Office of Technology Policy</u>	49	\$8,165	0	+\$129

Digital Freedom Initiative: An increase (0 FTE, +\$129) is requested for US/OTP to serve a leadership role in a White House initiative that leverages U.S. leadership in the Information and Communication Technology arena to provide guidance to subject matter experts and entrepreneurs in developing nations as they seek to increase their capacity to participate in the global economy.

