
Planning at NIST

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Planning at NIST

- Planning at NIST.
- NIST Three Year Plan.
- Status and next steps.

Planning at NIST

- NIST is committed to improving planning.
- NIST is making progress in strategic planning.
- Much work remains.
- We look to the VCAT to help guide our planning process.

Major Ingredients

- Our mission.
- Our programs.
- Defined focus and objectives.
- Planning data.
 - Current capabilities.
 - Drivers.
 - Gaps and opportunities.
- Program plans.
- Assessment (performance data).

Major Ingredients

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NIST 3-year Programmatic Plan

Major Ingredients

- Our mission.
- Our programs.
- Defined focus and objectives.



NIST 3-year Programmatic Plan

- Planning data.
 - Current capabilities.
 - Drivers.
 - Gaps and opportunities.



- Program plans.
- Assessment (performance data).



NIST program structure summary

Major Ingredients

- Our mission.
- Our programs.
- Defined focus and objectives.

- Planning data.
 - Current capabilities.
 - Drivers.
 - Gaps and opportunities.

- Program plans.

- Assessment (performance data).

NIST Three Year Plan

- NIST Mission.
- NIST Programs.
- Programmatic Priorities.

NIST Three Year Plan

NIST Priorities at a Glance

With the aim of promoting U.S. innovation and industrial competitiveness, NIST has established four overarching priorities to guide investments:

- **Focus new activities on critical national priorities:**
 - Energy.
 - Environment.
 - Manufacturing.
 - Health Care.
 - Physical Infrastructure.
 - Information Technology.

- **Strengthen NIST's laboratories and facilities to ensure U.S. leadership in measurement science and focus this capability on addressing key measurement barriers.**
 - Promote cutting-edge measurement research at the frontiers of science and technology.
 - Enhance the NIST facilities and equipment that enable cutting-edge research.
 - Improve strategic planning and responsiveness to stakeholders to optimize program effectiveness and efficiency.

- **Stabilize, fortify, and fully leverage the Technology Innovation Program, the Hollings Manufacturing Extension Program, and the Baldrige National Quality Program to promote innovation, industrial competitiveness, and sustainable economic growth.**

- **Maximize NIST's impact through effective collaboration and coordination.**
 - Expand collaboration with companies, universities, and states to leverage NIST capabilities and advance innovation at regional and national levels.
 - Enhance support of other Federal agencies in meeting U.S. Government needs for voluntary consensus standards.

NIST Three Year Plan

Alignment of NIST Investment Priority Areas with National Priorities in President's Agenda

www.whitehouse.gov/agenda

| NIST Investment Priority Areas | Priorities in the New Administration's Agenda | | | | |
|--------------------------------|---|------------|------------------------|-------------------|---------|
| | Economy | Technology | Energy and Environment | Homeland Security | Defense |
| Energy | ● | ● | ● | | |
| Environment | ● | ● | ● | | |
| Manufacturing | ● | ● | ● | ● | ● |
| Health Care | | ● | | ● | |
| Infrastructure | ● | ● | ● | ● | |
| Information Technology | ● | ● | | ● | ● |

Identifying Investment Priority Areas for Labs

- Developed a set of criteria to use in identifying potential focus areas
 - Is this a compelling innovation or competitiveness issue that the nation needs NIST to address?
 - Is there a clear match to our mission and goals?
 - Does this address an urgent and compelling national need?
 - Is this part of an ongoing priority for NIST (as identified in previous budget and planning documents)?
 - Is this part of a coordinated national policy area? (on the radar of policy officials).

- Path forward
 - Two working groups (Planning group and OU Directors) used criteria to identify areas for Deputy Director decision.

Selected VCAT Feedback on Three Year Plan

“What is said is just fine and DOES let the reader know where the priorities will be placed. However, it reads more like an executive summary of a programmatic plan rather than the plan. There are few examples of implantation. Where’s the beef to assure the reader that you have ANY IDEA of how to implement what you’ve discussed?”

Selected VCAT Feedback on Three Year Plan

“Firstly I am a bit disturbed by the fact that as you list your priorities, Information technology (IT) is last .I believe that you should not separate IT since I believe that IT is INTEGRAL to all your other priorities, Energy, environment, health, and manufacturing...”

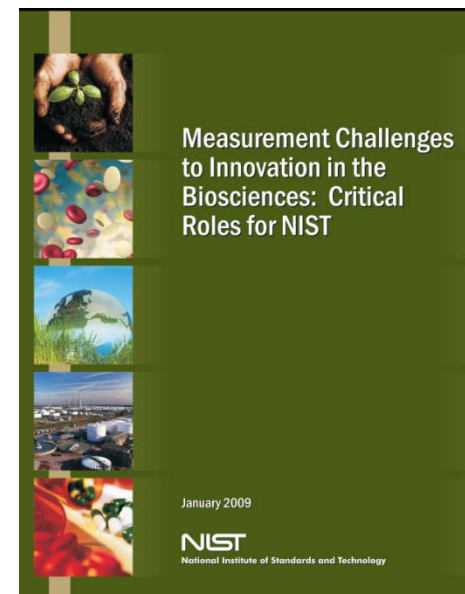
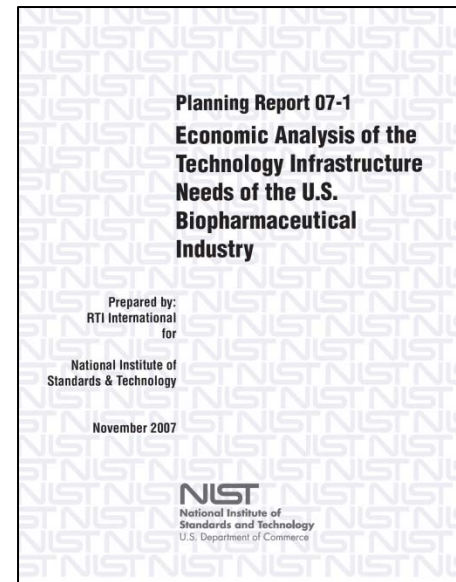
Selected VCAT Feedback on Three Year Plan

“There is almost NOTHING in the plan about standards. A big part of NIST is standards and I think it should get some focus.

“What about the issue of a global economy and the impact of International Standards activities? I know that NIST staff considers this very important, yet there is nothing said of that work.”

Other NIST Planning Activities

- NIST Planning Studies.
- “Measurement Challenges to Innovation in the Biosciences: Critical Roles for NIST.”
- NIST Facilities Planning.



Next Steps: Planning

- Strengthen annual planning and evaluation process.
 - Programmatic studies.
 - Identify needs and drivers, current NIST activities, external programs, gaps and opportunities, key NIST roles.
 - Program planning.
 - Goals, outputs/outcomes, management plan, budget plan, etc.
 - Program assessment.
 - Collect, analyze, conduct assessments.

Next Steps: Beyond Planning

- Program management.
- Strategic investment.
- Engagement.
- Clarifying NIST roles.