

Information Technology
Laboratory (ITL)
- Strategic Planning Update -

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Strategy – Why?

NIST Mission: To promote U.S. *innovation and industrial competitiveness* by advancing measurement science, standards, and technology – in ways that enhance economic security and improve the quality of life.



President Bush: “Tonight I announce an American Competitiveness Initiative, to encourage innovation throughout our economy...First, I propose to double the federal commitment to the most critical basic research programs...”

To play a proactive role in the future of the United States, we need to KNOW that we are...

doing the right things

and

doing things right

Strategic Process (1)

Weekly Discussion Topics:

- STRS Projects (Prioritized)
- OA Projects
- Mandated projects
- Project tracking/management
- Organizational Structure
- Core competencies
- Organizational drivers
- Metrics

100-Day “Deliverable”:

Tactical plan to implement organizational change (programmatic and structural) and strategic process – Strategic Implementation Groups

Jan 2

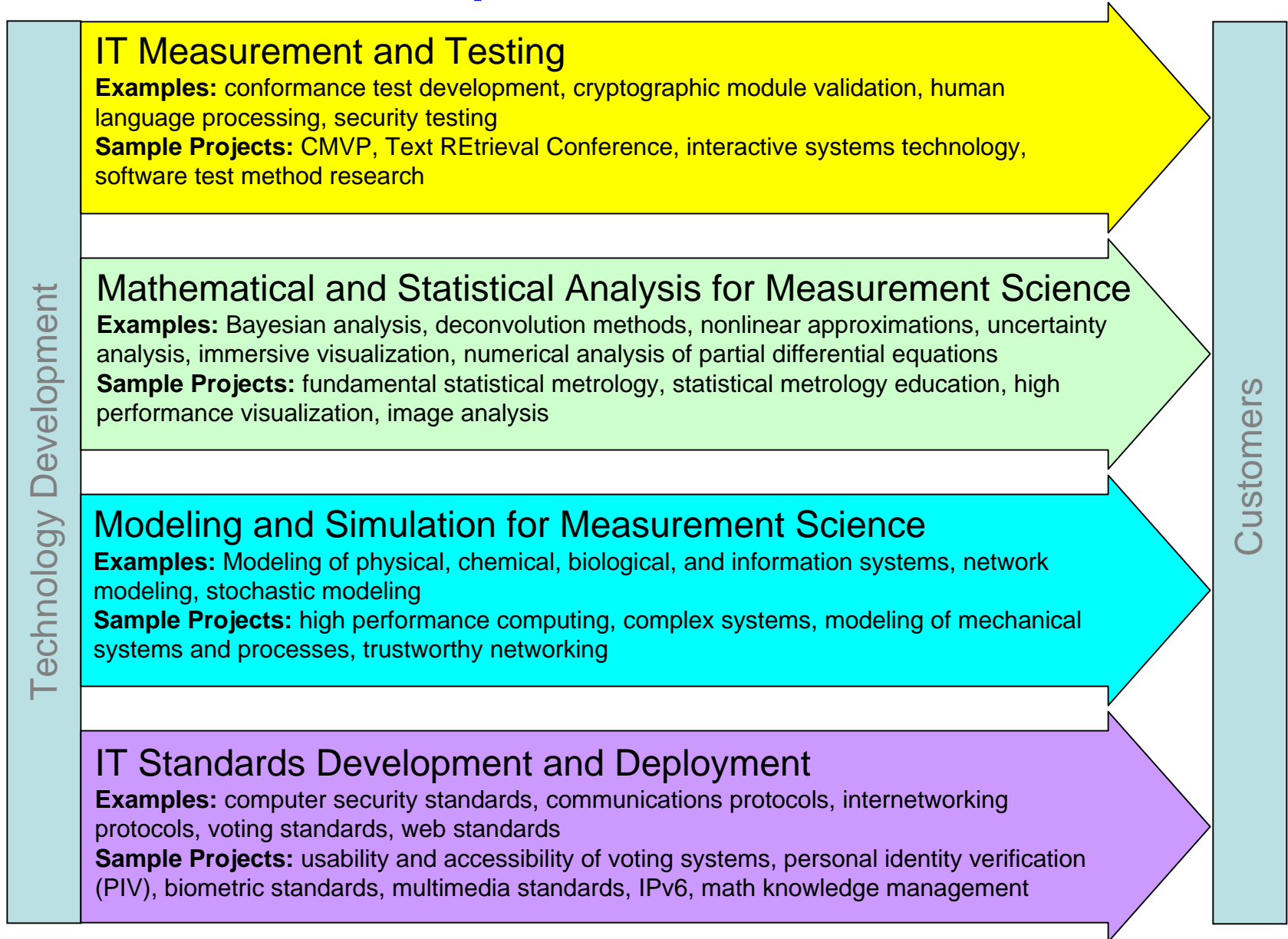
Mar 30-31

Apr 14

Management Offsite:

- Define organizational structure
- Programmatic outline

ITL Core Competencies

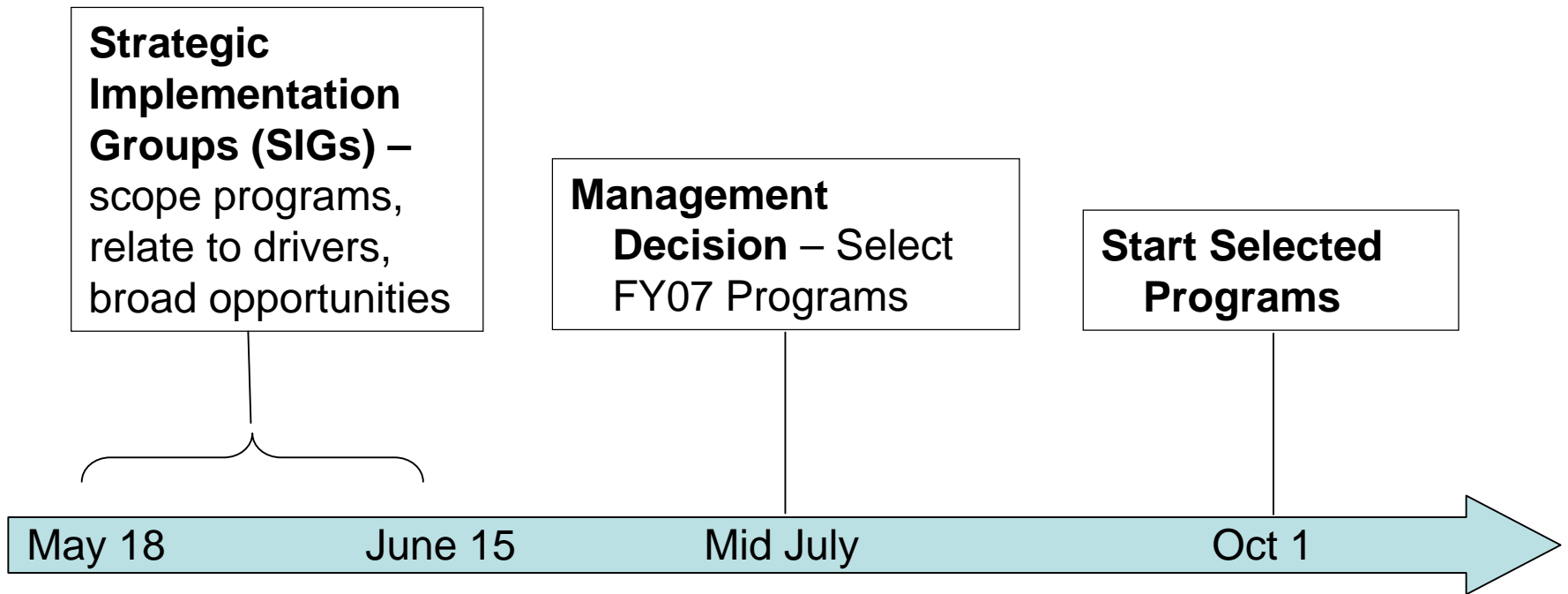


Program Portfolio

Programs are the Intersection of ITL Core Competencies and Program Drivers

- Trust and Confidence in IT Systems and Applications
 - Trustworthy Computing
 - Trustworthy Software
 - Trustworthy Networking
 - Cyber Security
 - Identity Management
- Management and Exploitation of Data
 - Complex Data Sets
 - Information Sharing
- Future Information Systems
 - Complex Systems
 - Pervasive Info Systems/Ubiquitous Computing
- IT in Science and Engineering
 - Enabling Scientific Discovery
 - Virtual measurement Systems
- Interdisciplinary Incubation
 - IT for Emerging Technologies

Strategic Process (2)



Heilmeier Questions (NSF Version)

- What are we trying to do? What is the problem we're trying to solve?
- How is it done today, and what are the limitations of current practice?
- What is new in our approach / technology, and why do we think it will be successful? What gives evidence that it will work?
- Assuming we are successful, what difference does it make?
- How long will it take, how much will it cost, and what are (measurable) milestones, mid-term and final exams?

And always...Why NIST?