Cyber Security Research and Development Town Hall Meeting

President's Information Technology Advisory Committee

Subcommittee on Cyber Security

F. Thomson Leighton, Chair

GOVSEC at the Washington Convention Center

July 29, 2004

About the President's Information Technology Advisory Committee (PITAC)

- PITAC members are appointed by the President to provide independent expert advice on maintaining America's preeminence in advanced information technology.

- Committee's studies help guide the Administration's efforts to accelerate the development and adoption of information technologies vital for American prosperity in the 21st century.

  - Recent release: *Revolutionizing Health Care Through Information Technology*.

- PITAC members are information technology leaders in industry and academia with expertise relevant to critical elements of information technology research and development.

About PITAC (continued)

- Chartered by Congress under the High-Performance Computing Act of 1991 (P. L. 102-194) and the Next Generation Internet Act of 1998 (P. L. 105-305). It is formally renewed through Presidential Executive Orders.

- Federally chartered advisory committee operating under the Federal Advisory Committee Act (FACA) (Public Law 92-463) and other Federal laws governing such activities.

- Reports to the President through the Office of Science and Technology Policy, Executive Office of the President.

- Supported by the National Coordination Office for Information Technology Research and Development.

Subcommittee's Charge

- March 2, 2004: Letter from Dr. John H. Marburger, III, Science Adviser to the President
  - 1. How well is the Federal government targeting the right cyber security research areas, and how well has it balanced its priorities among cyber security research areas? In particular, how well balanced is federally funded cyber security research between shorter-term, lower risk research and longer-term, higher risk research?
  - 2. How effective have the Federal government's cyber security research programs been in terms of the successful outcomes of the research and the value of research results?

Subcommittee's Charge (continued)

– 3. How useful have the research results proven as measured by implementation to improve the security of our computing and networking environments? What modifications to research areas, development efforts, or technology transfer would improve utility and encourage broader implementation of cyber security technologies?

– 4. How well are current Federal research efforts and supporting institutions able to anticipate or respond to paradigm shifts or fundamental shifts in technology that can create unexpected cyber security challenges?

Subcommittee on Cyber Security Membership

- **F. Thomson Leighton**, Ph.D., **Chair**, Chief Scientist, Akamai Technologies
- **J. Carter Beese**, Jr., President, Riggs Capital Partners
- **Patricia Thomas Evans**, President and CEO, Global Systems Consulting Corporation
- **Luis E. Fiallo**, President, Fiallo and Associates, LLC
- **Harold Mortazavian**, Ph.D., President and CEO, Advanced Scientific Research, Inc.
- **David A. Patterson**, Ph.D., Professor and E.H. and M.E. Pardee Chair of Computer Science, University of California, Berkeley
- **Alice Quintanilla**, President and CEO, Information Assets Management, Inc.
- **Eugene H. Spafford**, Ph.D., Professor and Executive Director, Center for Education and Research in Information Assurance and Security (CERIAS), Purdue University
- **Peter S. Tippett**, M.D., Ph.D., CTO and Vice-Chairman, TruSecure Corp
- **Geoffrey Yang**, Managing Director, Redpoint Ventures

Subcommittee Work Plan

- March: Charge from the White House
- April: Expert presentations at PITAC meeting
- April-July: Data collection/solicitation of input and preliminary deliberations
- July: This Town Hall meeting
- Aug-Oct: Continued data collection/solicitation of input and drafting of report
- Oct: Discussion of draft report at PITAC public meeting
- Nov-Dec: Report revision and solicitation of additional inputs as needed
- Jan 2005: Review and approval of final draft report at PITAC public meeting

Town Hall Meeting

- Initial framing discussions
  - Harris Miller, President, Information Technology Association of America
  - Joel Birnbaum, Chairman, National Research Council/Comp Sci & Telecom Board Committee on Improving Cybersecurity Research in the U.S.
- Invitation to the audience to provide oral comments
  - Priority to those who pre-registered

Town Hall Meeting (continued)

- Process
  - Queue behind the stand-up microphone
  - State your name and affiliation
  - Clearly identify the topic(s) that you will be addressing based on the subcommittee's list of questions
  - Limit your remarks to 3 minutes
  - Subcommittee members may follow-up with questions
- Our appreciation to you
  - Importance of obtaining public input