Information Technologies Panel

Insight ⇨

- Slow Procurement process can't keep pace with aggressive speed of IT development, capacity requirements
- Information Assurance threat is worldwide, adaptive and quick, very difficult from a technical/policy/culture perspective.
- Information overload places great demand on knowledge management, decision support.

Action ⇨

- Increased Use of CRADAs
- More Gov.& Ind. Fellowships
- Support and Reward Risk
- Embrace Radical Acq. Changes
- Use Technology Brokers
- Spiral Development Model

Shipbuilding Panel

- **Navy Barriers and Impediments**
  - ✓ Too many people in decision-making process/ One "no" outvotes 100 "yeses"
  - ✓ Risk aversion
  - ✓ Need to re-evaluate requirements during program reviews
  - ✓ Lack of cross-pollination across all classes of ships
  - ✓ Unable to fund technology that may add to upfront acquisition costs, but which would reduce total life cycle cost
  - ✓ Unfocused direction for technology mining
  - ✓ Cost of doing business with the government
- **Industry Barriers and Impediments**
  - ✓ Shipyards must make a profit to stay in business
  - ✓ Lack of financial incentive to take risks
  - ✓ Lack of a process to encourage non-traditional suppliers

Shipbuilding Panel (cont.)

- **Recommendations:**
  - ✓ Improve communication and "outreach"
    - ✓ ASA will identify and post shipyard P.O.C.s on web
    - ✓ ONR will post similar information on its web site
  - ✓ Eliminate layers of Navy decision / Encourage risk taking
  - ✓ Incentivize industry innovation in design & production
  - ✓ Increase contractor furnished equipment to enable primes to bring non-traditional suppliers into shipbuilding
  - ✓ Invest upfront in technology to reduce life cycle costs

Expeditionary Systems Technologies Panel

To Break the Barriers

- Leadership - to lead the change
- Linkage needed for:
  - Industry to find home for their technology
  - Government to locate right technologies
- Timely articulation of Warfighter Requirements
  - Drive industry investment
  - Tune developing system to Warfighter needs
- Methods for insertion of innovative technologies
- Trust: partnerships require it to:
  - Build relationships
  - Expedite program execution

Expeditionary Systems Technologies Panel

Recommendations:

- Improve communication between government and industry
  - To build trust
  - To share information
- Use Science Advisors to locate and leverage other's technology investment
- Accept 80% solution, plan and program to 100% capability
- Implement program for small business innovative technology insertion

"Vision Without Funding is a Hallucination"

MGEN Hough, USMC
Director, JSF Program

Naval Partnership Conference
August 10, 2000

Aerospace Technology Panel

- **Global commercial market is driving research and the cost models**
- **Must move rapidly in direction of industry/DoD partnering or will lose tech edge--other countries do it effectively, *some* U.S. companies do it too**
- **Barriers exist between the DoD and best commercial technology--IP so important companies will not give it away**
- **Best technology & best and brightest people increasingly difficult to acquire**
- **Aerospace Tech Base (facilities & people) eroding**

Aerospace Technology Panel

- **Must not let military use of Commercial Tech bar the technology from the global economy**
- **Commercial aerospace technology is exploding--this will accelerate**
- **Space Technology is most rapidly growing sector of the Aerospace Economy**

Actions:

Must trust, engage in true partnerships, understand IP issues, allow higher profits, go for leverage off the Global Economy