

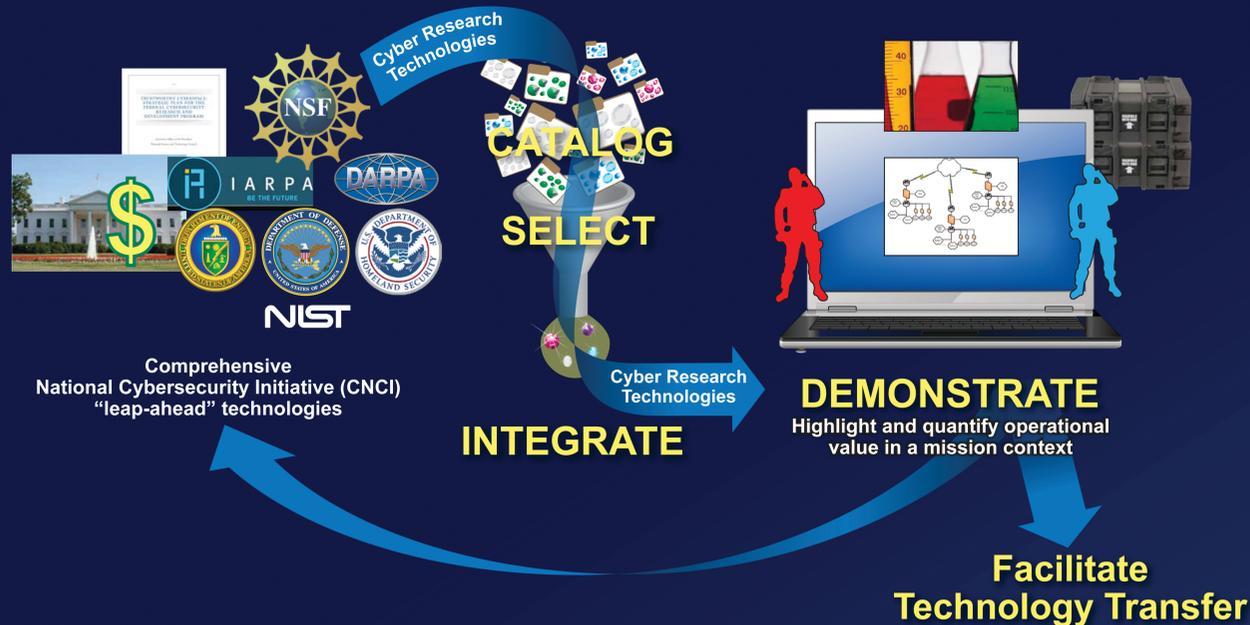


SCORE-Sponsored Cyber Integrated Demonstrations

Cyber In National Exercises

Joint Effort with Johns Hopkins University Applied Physics Laboratory

Infrastructure and methodology to demonstrate how the synergy of cybersecurity research technologies can significantly improve the effectiveness of government missions



Scenario: Disaster relief disrupted by cyber attacker

Attacker

- Prevent supplies from being delivered in time
- Damage foreign relations
 - Delay timeline and disrupt relief mission

Government

- Provide disaster relief
- Foster foreign relations
 - 96-hour deadline for delivering supplies

Key Demonstration Attributes

- Plug and play architecture
- Instrumentation harness
- Scenario emulators
- Common messaging

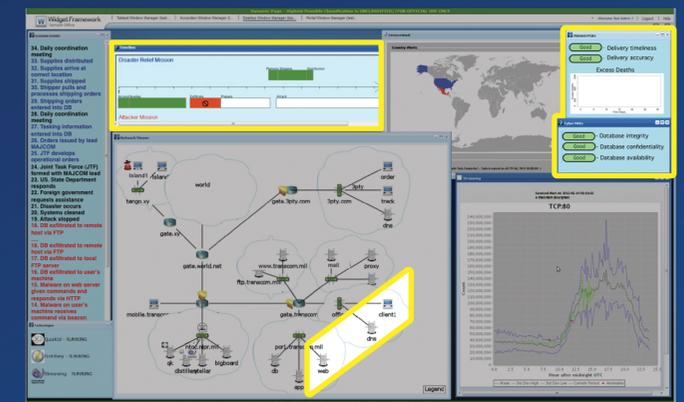
- Showcase synergies of “leap-ahead” technologies
 - Communicate benefits and research needs
- Illustrate Cybersecurity R&D themes
 - Moving target
 - Tailored trustworthy spaces
 - Designed-in security
 - Cyber economic incentives
- Emphasize SCORE cross-organization coordination

Result without Technologies

Attacker succeeds; relief mission disrupted

Result Using Technologies

Attacker progress stopped with the aid of “leap-ahead” technologies



Project Timeline



First year benefits

- Enduring catalog of technologies
- Flexible mobile demonstration capability

Second year benefits

- Exposing potential adopters to important technologies
- Easing transfer of technologies to operational use

SCORE = Special Cyber Operations Research and Engineering interagency working group