NATIONAL CYBER MOONSHOT
IMPACT and OPPORTUNITIES
for Counties

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FINDING:

CYBER THREATS ARE REAL
Finding:

Critical Infrastructure is a LOCAL Issue

1. Elections (AI use)
2. Transportation (5G)
3. Banking (Quantum)
4. Safe Cities (ID)

Moving from Critical Infrastructure Protection to Critical Infrastructure Resilience
Adversaries have YOUR OFF BUTTON, not you.
IT/OT

Securing our Internet of Things and our Industrial Control Systems
TODAY’S CONSUMER ISSUES

Yet people/govs still buy insecure products.

Insecure Products
Practical Advice
Things Every Person, Place, and Thing Should Do

(Learn more by clicking on each icon)

- PATCH Obsessively
- SEGMENT Religiously
- THREAT Intelligence
- EVALUATE Insiders
- EDUCATE Constantly
- AUTOMATE Defenses
- RESPOND Elegantly
- PUBLIC / Private
- ELEVATE Discussion
- EXTENDED Enterprise
Focus on **TRUST** in your Technology
RESILIENCE Should Replace Security as your GOAL.
4IR
FOURTH INDUSTRIAL REVOLUTION will RESHAPE OUR REALITY
Change is Coming
Change is Coming

Adversaries have or will soon have:

1. Ability to intercept and decrypt all traffic.
2. Ability to retrain our AI against us.
3. Ability to disrupt/takeover real time communications
4. Ability to inject doubt into systems that require certainty
5. Ability to masquerade as anyone, anywhere.
Created in 1982 by Ronald Reagan

20 member companies

Advise the President on cybersecurity

Rotating chair memberships
Our Goal:

“Make the Internet Safe and Secure for the functioning of Government and critical services for the American people by 2028.” November 2018

INFO@NationalCyberMoonshot.org
Whole-of-Government

Leadership
Mission Focus
Investment
Coordination

Safe and Secure
Whole-of-Nation

Early/Short Term Benefits

Whole-of-Industry/Academia

Leadership
Mission Focus
Research
Technologies
Execution
Innovation

EXPECTED OUTCOME

- Economic Growth
- National Security
- Enhanced Privacy
- Tech Advances
- Global Leadership

EXISTING INPUTS

- Funding
- Technologies
- Policies
- Initiatives
Safe and Secure Internet

MOONSHOT: GOVERNMENT

MOONSHOT: INDUSTRY/ACADEMIA

WHOLE-OF-NATION EFFORT

POLICY: GUIDELINES, LAWS, NORMS ETC. NEED INTEGRATION & ACTION

EDUCATION: GAPS IN FOCUS & RESEARCH, SKILLS GAP

TECHNOLOGY: QUANTUM, AI, 5G & BIOMETRICS ARE BOTH CHALLENGES & OPPORTUNITIES

BEHAVIOR: BUY IN FROM CITIZENS, ORGANIZATIONS, AND EMPLOYEES

ECOSYSTEM: MANY FRAGMENTED SOLUTIONS

PRIVACY: MUST FOSTER TRUST & ADDRESS NEW TECHNOLOGIES

BENEFITS
Economic Growth - National Security - Enhanced Privacy
Tech Advances - Global Leadership
Actioning the National Cyber Moonshot

GRAND CHALLENGES

1st  Change the Economics of Cybersecurity

2nd  Educate ALL Americans to cyber-safety levels

NationalCyberMoonshot.org
Actioning the National Cyber Moonshot -- WORKSHOPS

NationalCyberMoonshot.org
Actioning the National Cyber Moonshot - Next Up!

EDUCATION WORKSHOP
MAY 4, 5  2020

NationalCyberMoonshot.org
Ramping Up for Defense.
Has support of White House and Congress to Lead
What Can You Change Starting Now?

- Prioritize Security and Privacy in your 5G rollouts
- Prioritize Privacy in your Safe Cities programs
- Have a Voice in the Moonshot Pillar programs (esp Policy)
- Improve Cyber Education Locally
- Shift Operational and Legislative focus toward Resilience
A Top Local Story on the second day of WEF was of Russian Spies caught dressed as plumbers in one of the secure hotels.

Spies in Davos? Russian diplomat pretended to be a tinsmith

For Vladimir Putin's spies, the World Economic Forum probably started in the summer.