CYBER MYTHS, SECURE NETWORK CHALLENGES, & SOLUTIONS

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CYBER MYTHS

- Attribution is impossible/not feasible/ not worth the effort
- Nothing on my system is valuable to hackers
- Protect the critical infrastructure and we will be fine
- Information sharing is the answer
- Cyber tool proliferation is inevitable there is no lasting defense

CYBER MYTHS (CONT)

- The problem is easily solvable install my program
- Offense is easy; defense is hard
- Cyber attacks occur at the speed of light
- Just keep the bad guys out
- It's hopeless

CYBER CHALLENGES

- Critical infrastructure systems attacks are increasing in number and severity
- Systems less secure now than ever before offense has just gotten better
- Security standards are advisory there are so many from which to choose
- Infrastructure date is aggregated IOT and linked without regard to risks

CYBER CHALLENGES (CONT)

- We really do not know who we are connected to;
 we assume "safe cyber"
- Infrastructure attacks by foreign entities is a constraint on our foreign policy
- The most difficult cybersecurity challenges are legal, commercial, and political

PROPOSED SOLUTIONS

- Leadership must recognize that change comes from the top
- Protecting a company's assets is a business imperative
- No one is immune from attack big or small hackers attack all
- Legal system permits defective software; avoids liability; caveat emptor
- Commercial decision: more cost effective to accept loss than prevent loss
- Government policy makers lack the political will to address issues

THANK YOU!