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5 Myths Gov. Has @ Private Sector Cyber Security

- Private Sector is not working hard to secure cyber space
- Private Sector and Govt. have identical roles. Responsibilities and goals re: CS
- The Partnership Model has Failed
- CS is a “Tech” problem
- The only way to solve the cyber security problem is govt. regulation



Myth 1: The Private Sector is Not Working Hard

- ISA was formed 2 years before 9-11 Four years before DHS/6 yrs before Asst. Sec
- I-net is attacked thousands of times a day —mostly repelled
- NSA, CIA, PWC, Verizon, Secret Service all agree 80-94% of cyber attacks could be stopped with tools already in hand and created by Private Sector



Myth 2: Govt. and PS Have Same Roles & Goals

- Govt. Role is “to provide for the common defense”
- Private Sector Role is to Maximize Shareholder Value
- Wishful thinking of CS ROI
- Gov and PS assess “risk” differently, so when developing “risk-based” solutions, whose definition do we use?



Public Private Partnership as defined in NIPP

“The success of the public private partnership depends on articulating mutual benefits to govt. and the PS partners. Articulating the benefits to the public sector is generally clear. However it is often difficult to articulate the benefits of participating to the private sector.”

(NIPP P. 9)



PPP as described in the NIPP

“In assessing the value proposition for the private sector, government can engage industry to go beyond efforts already justified by their own corporate business plans to assist in broad scale CI/KR protection through activities such as incentives to voluntarily adopt sound security best practices.”

(NIPP P.11)



Obama Cyber Space Policy Review

“The government should identify procurement strategies that will incentivize the market to make more secure products and services available to the public. Additional incentive mechanisms that the government should explore include adjustments to liability...indemnification, tax incentives, regulatory requirements and compliance mechanisms.”



Myth 3: The “Partnership Model” has Failed

- Partnership as defined in NIPP or the Cyber Space Policy Review has not been tried---by Government
- Govt. implementation has been through there “own” private sector
- No implementation on value prop for industry
- Senate bills redefine partnership



Legislative Intent: Senate Consolidated Draft

“Summary: HSGAC-Commerce Staff Draft Cybersecurity Bill

- The bill creates a dynamic partnership between the government and private sector in which the private sector is responsible for enhancing security of the Nation’s most critical systems while the government ensures effective oversight and compliance.”



Myth 4: Cyber Security is a “Tech” Problem

- Virtually all govt. work has been on cyber security technology—the HOW of cyber
- Tech is not even the biggest vulnerability
- The WHY of cyber is economic---all the incentives favor the attackers
- Cyber economics are misaligned
- Attacks are up, but investment is down
- No bills on the economics of cyber



Myth 5: Regulation is the Answer

- Regulation won't work
- Regulation would be counter productive
- Cyber is an infrastructure development issue needing investment not regulation
- We have done this before via the Social Contract
- We can create a modern cyber security social contract (FDA plus incentives)



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