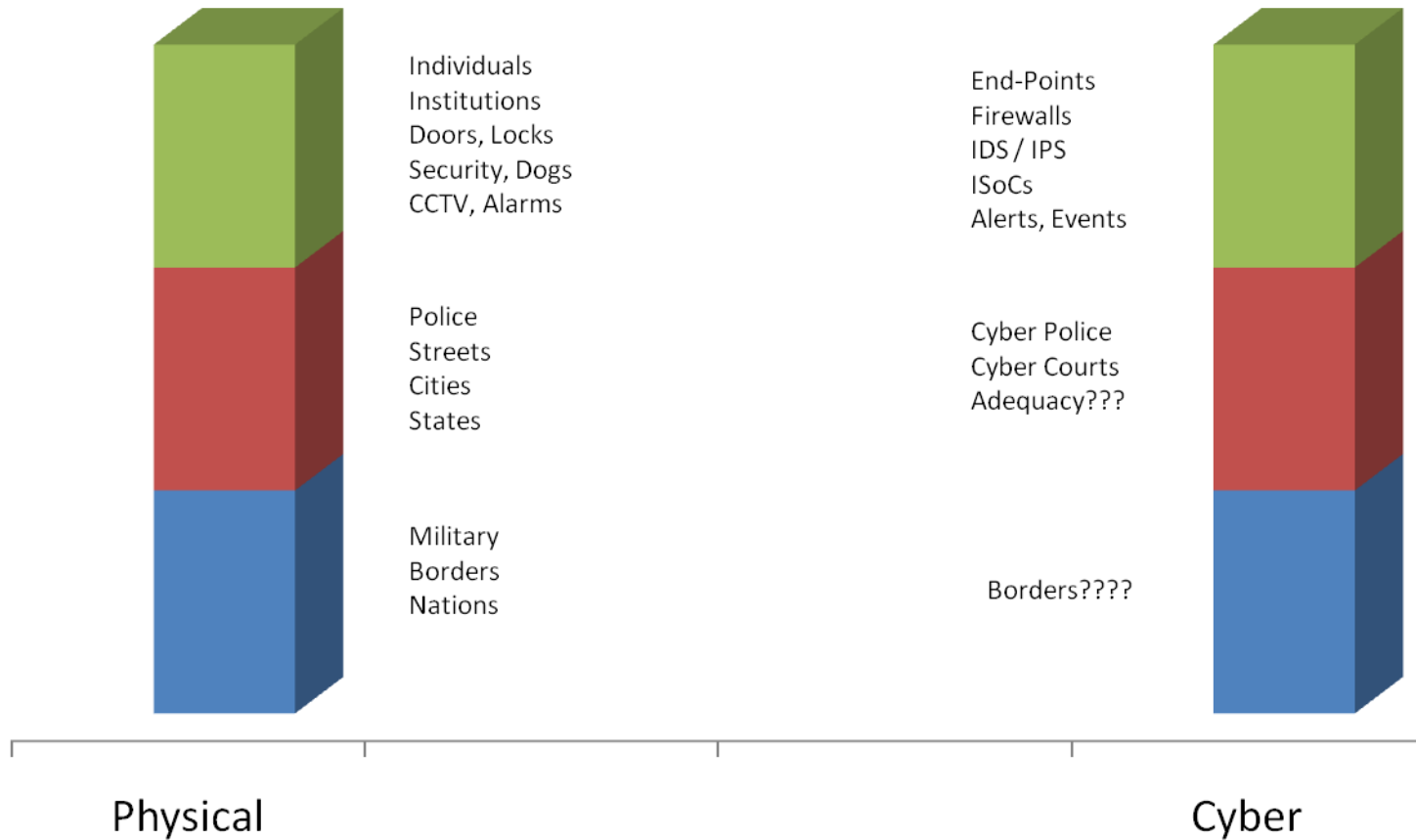


Cyber Security : Moving Goalpost?

Dr A S Ramasastry

Director, IDRBT

Two Different Worlds



Several Players

- General
- Cyber Security Chief
- NCIIPC
- CERT-In
- DSCI
- Bank-Specific
- Reserve Bank of India
- IDRBT
- CISOs' Forum
- IB-CART

Banks Vulnerable

- Money Motivates – Banks Attractive
- Funds Digitized in Store and Transit
- By the very nature of their business, banks need to keep their systems open
- As technology is not their core area of operations, banks need to depend on external vendors and system integrators
- Low awareness across the entire ecosystem

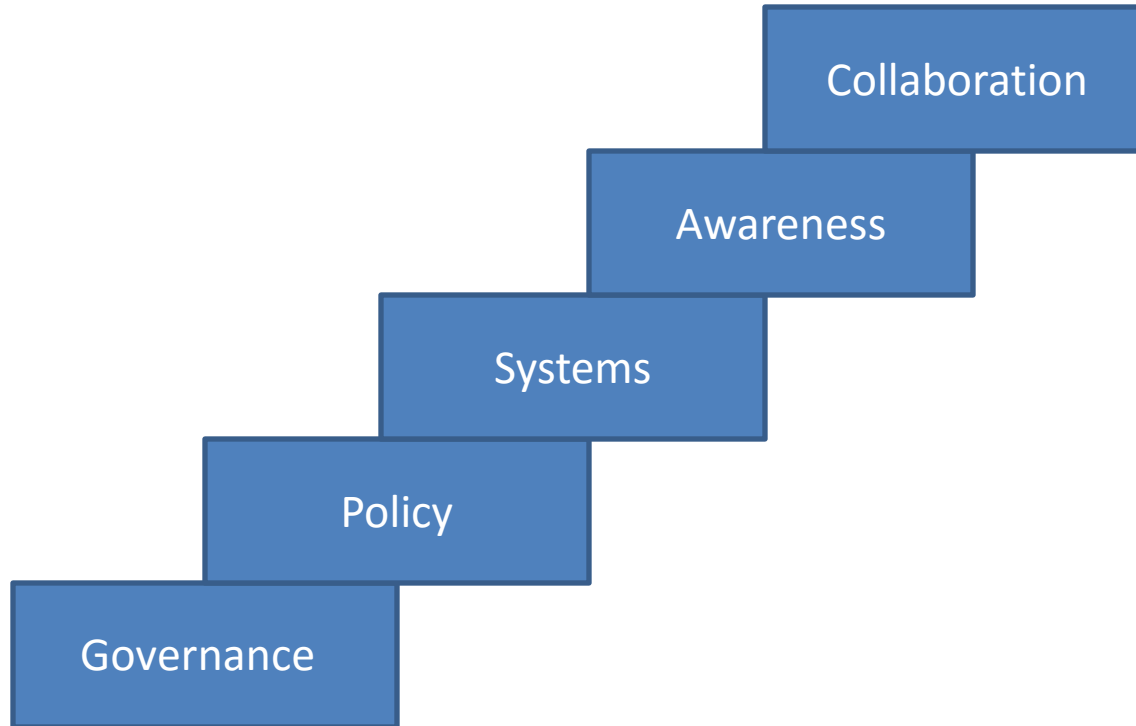
Recent Events

- Bank of Bangladesh (financial and reputational loss – Breach in SWIFT access and Malware considered the causes as per reports)
- Qatar National Bank (Data breaches)
- Bank of Greece (DDoS by Anonymous)
- Mexican Banks (Information stealing trojans)
- Persistent DoS on Indian banks sites

Some Challenges

- Attackers young, motivated and tech savvy
- Insider threats, state sponsored attacks
- Chances of being caught are low; even if caught chances of being prosecuted are dim
- No seriousness towards physical security itself; cyber security unknown and unseen
- Frequent false alarms lead to complacency
- Attackers needs to be lucky once; defender everywhere all the time

Difficult Steps



Build Digital Fortresses

asramasastri@idrbt.ac.in