

AFFIRM Luncheon

Cyber Security Priorities

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Top Level Cyber Security Strategy

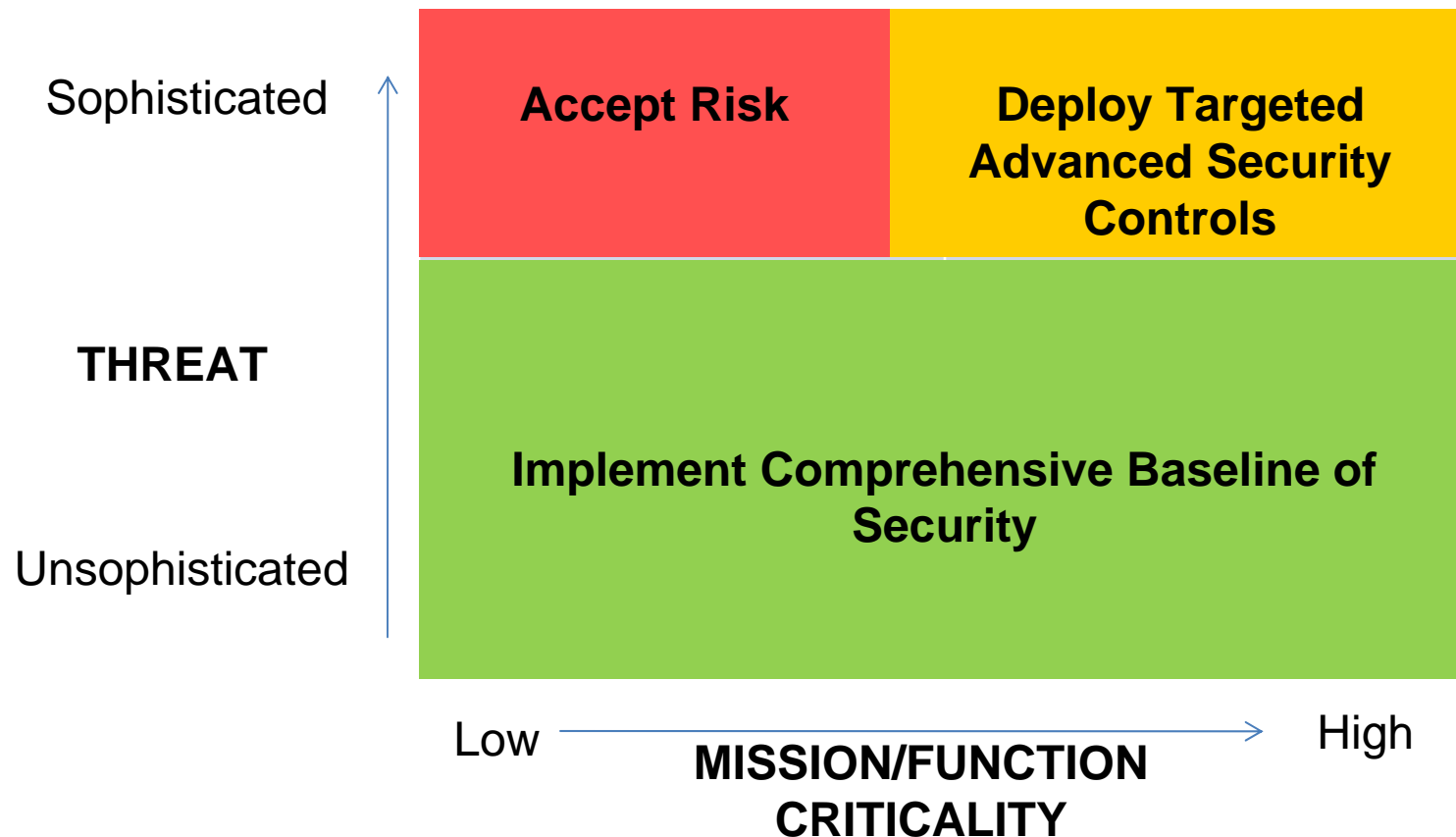
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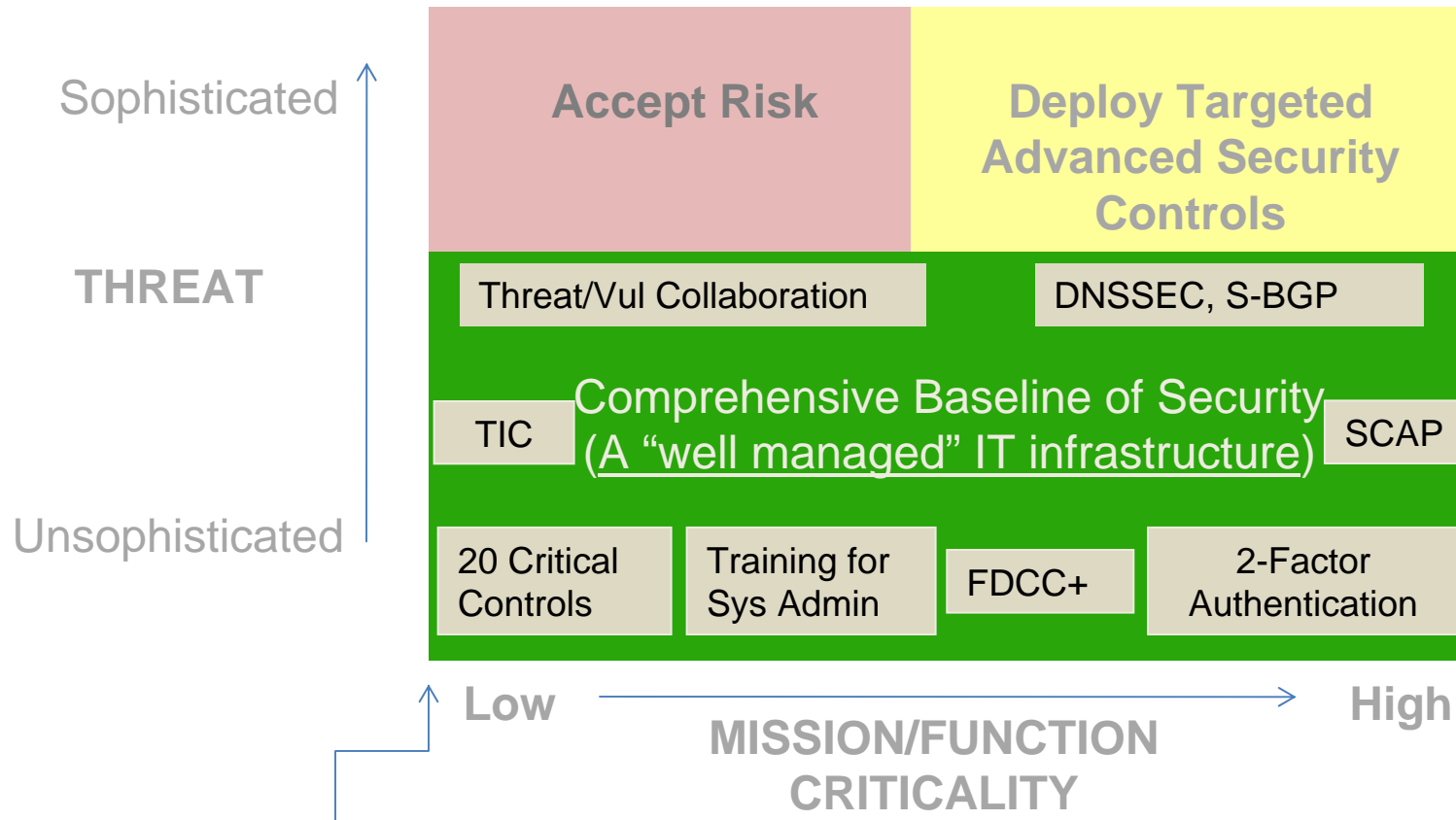
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Top Level Cyber Security Strategy



Top Level Cyber Security Strategy



Result: Blocks 85% of attacks and provides foundation to address remaining/new attacks (Ref: Dick Schaeffer, NSA/IAD)



Risk Assessment Factors

- **Vulnerability Level** or Threats minus Countermeasures
(Threat Exploitability (EX) minus Countermeasures (CT))
- **Likelihood**
 - Threat source capability, motivation, gain
 - History and/or predicted success
 - Capability to detect or attribute to source
- **Mission Impact Level**
 - Mission operations, assets, people, other organizations, national interests



Threat Categories and Sources

– Threat Categories

- Hacking and intrusion
- Malware
- Insider misuse and abuse
- Social attacks and deceit
- Errors and omissions
- Physical attacks
- Natural disasters, accidents

– Example Threat Sources

- Internal
- External
- Partner



Risk Control

- **Analyze Mission Risk Control Requirements**
 - Review implemented and planned controls
 - Use policy based requirements checklist for security testing
- **Prioritize, Plan, and Implement Risk Controls**
 - Effectiveness of recommended options
 - Legislation and regulation
 - Operational impact
 - Safety and reliability



Questions?

Thank You.

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