

Toward Cybersecurity Leadership Framework

Simon Cleveland, Ph.D.
Executive Director, Technology Institute
City University of Seattle



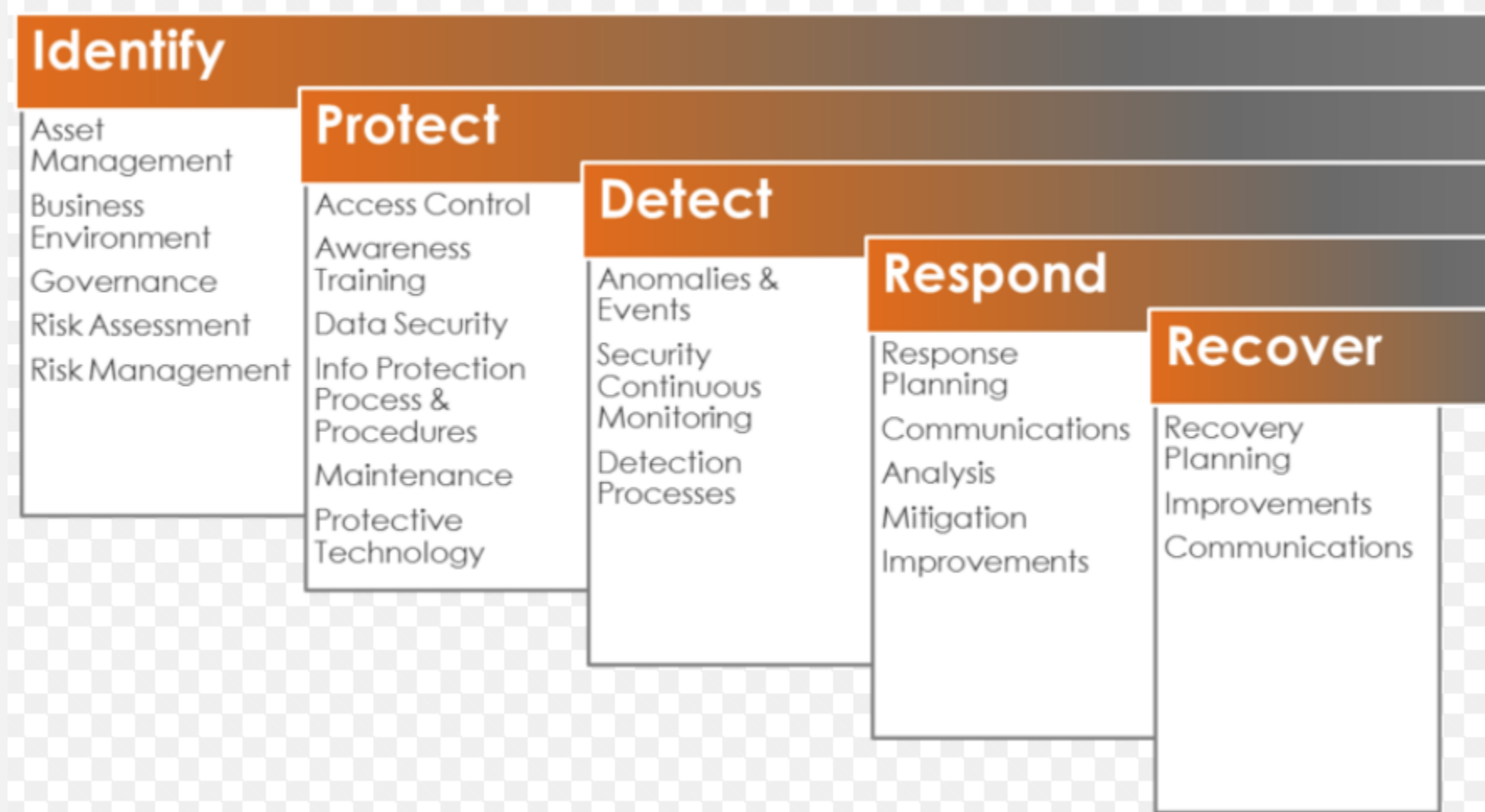
Overview

- Introduction
- Research question
- Cybersecurity vulnerabilities and leadership failure
- NIST Cybersecurity framework
- Leadership theory
- Proposed Cybersecurity leadership framework

Cybersecurity Vulnerabilities = Leadership Failure

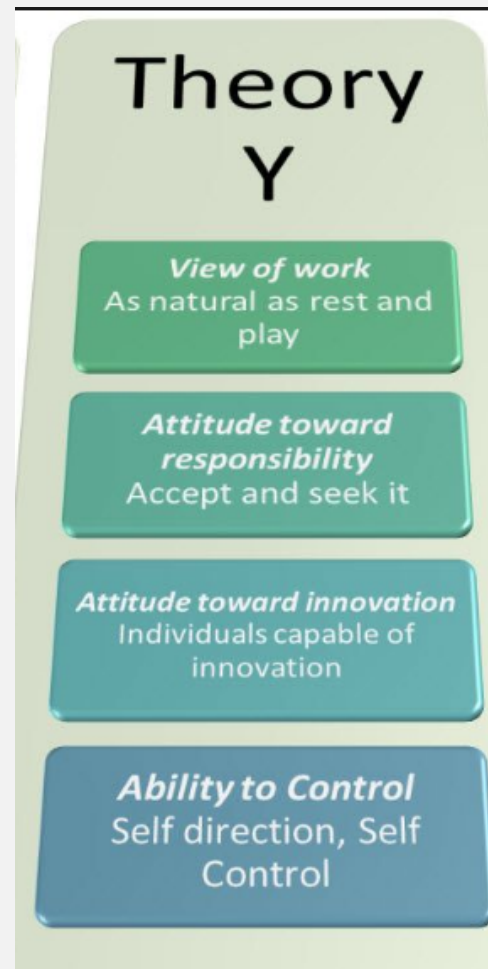
- 2016 ICS-CERT vulnerabilities report
 - 2,300 vulnerabilities
 - 185 advisories
 - 17 alerts
- 2016-2017 Hacks
 - Equifax – 145 million people
 - Yahoo – 1 billion
 - WannaCry – 150 countries
 - Uber – 57 million accounts

NIST Cyber Security Framework



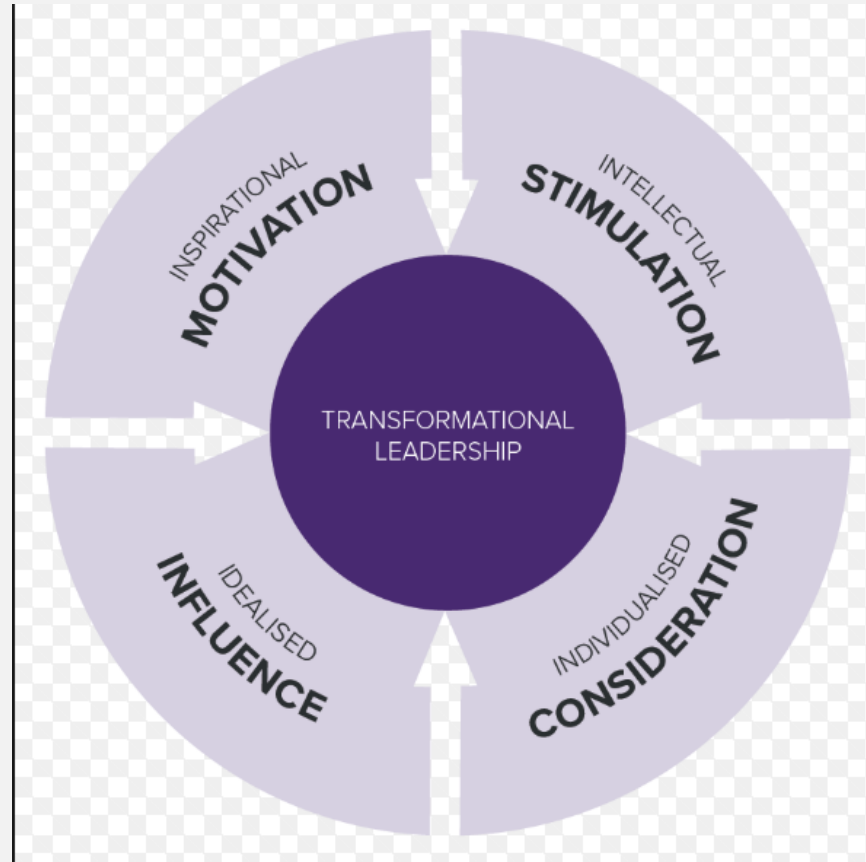
Leadership Theory

- Theory Y Leader



Leadership Theory

- Transformational/Inspirational Leader



Leadership Theory

- Servant Leader



Leadership Theory

- Authentic Leader



Leadership Theory

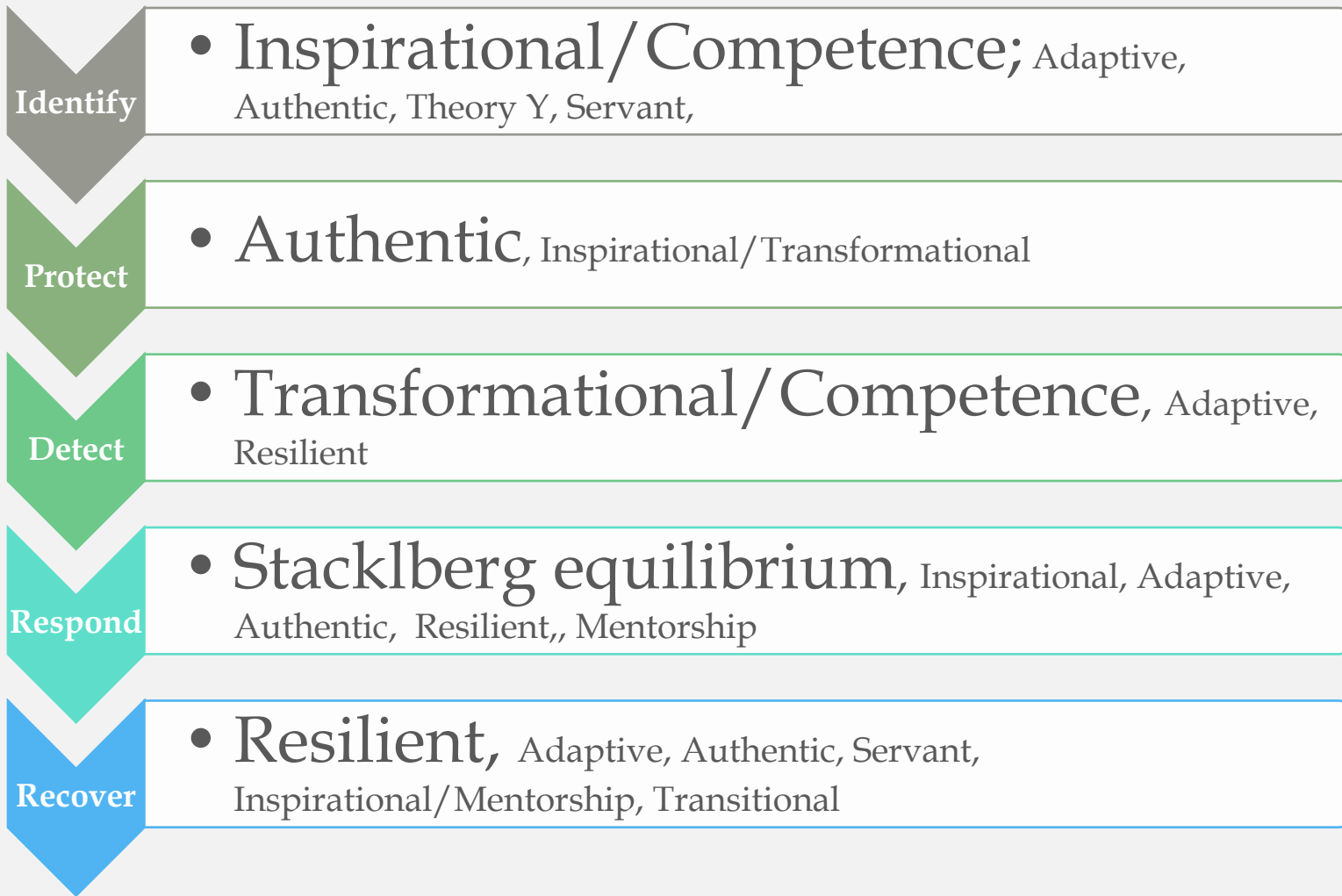
- Adaptive Leader



Proposed Cybersecurity Leadership Framework

APPLICABLE LEADERSHIP STYLES

NIST FUNCTIONAL AREAS



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