Chapter 1: The CEO Cyber Manual



Chapter 2: A Modern Cyber-Responsible CFO

Chapter 3: The Role of the CRO in Cyber Resilience

Chapter 4: Your CIO—Your Cyber Enabler

Chapter 5: Working with Your CISO

NIST Cyber Security Framework

Identify	Protect	Detect	Respond	Recover
Asset Management	Access Control	Anomalies and Events	Response Planning	Recovery Planning
Business Environment	Awareness and Training	Security Continuous Monitoring	Communications	Improvements
Governance	Data Security	Detection Processes	Analysis	Communications
Risk Assessment	Info Protection Processes and Procedures		Mitigation	
Risk Management Strategy	Maintainance		Improvements	
	Protective Tecnology			

STANDARDIZED DEFINITIONS OF MATURITY

PEOPLE, PROCESS, TECHNOLOGY

	LEVEL 1 PERFORMED	LEVEL 2 MANAGED	LEVEL 3 DEFINED	LEVEL 4 QUANTITATIVELY MANAGED	LEVEL 5
PEOPLE	General personnel capabilities may be performed by an individual, but are not well defined	Personnel capabilities achieved consistently within subsets of the organization, but inconsistent across the entire organization	Roles and responsibilities are identified, assigned, and trained across the organization	Achievement and performance of personnel practices are predicted, measured, and evaluated	Proactive performance improvement and resourcing based on organizational changes and lessons learned (internal & external)
PROCESS	General process capabilities may be performed by an individual, but are not well defined	Adequate procedures documented within a subset of the organization	Organizational policies and procedures are defined and standardized. Policies and procedures support the organizational strategy	Policy compliance is measured and enforced Procedures are monitored for effectiveness	Policies and procedures are updated based on organizational changes and lessons learned (internal & external) are captured.
TECHNOLOGY	General technical mechanisms are in place and may be used by an individual	Technical mechanisms are formally identified and defined by a subset of the organization; technical requirements in place	Purpose and intent is defined (right technology, adequately deployed); Proper technology is implemented in each subset of the organization	Effectiveness of technical mechanisms are predicted, measured, and evaluated	Technical mechanisms are proactively improved based on organizational changes and lessons learned (internal & external) #SACA S CMMI'Institute

My Cyber Risk Scenario
Total Disruption Time = 16 days (Example)

\$ 250,000.00

Business Profit Loss for 16 days \$ 100,000.00

Legal Costs \$ 20,000.00 Communication Costs \$ 10,000.00 Overtime for my employees \$ 20,000.00

Ransom Amount \$ 100,000.00

Chapter 6: The Role of the CHRO in Reducing Cyber Risk

No. What you really mean is you want a 22-25 year old with 10 years of experience, a CISSP and OSCP, programming experience before birth, have a college degree from CMU or MIT. Bonus: you have given a talk at DEF CON or Black Hat.

Cast your vote and let's see in whose favour it is:

Certs are relevant to us 16.5%

Skills all the way! 83.5%

85 votes · Final results

Tweets commenting on the job posts and certifications' values

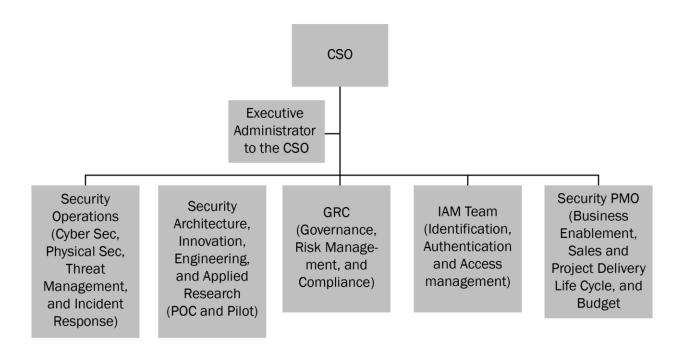
Team player;

Onsite deployment and or travel within Singapore;

Valid information security related certifications, e.g., CISSP, OSCP, CREST CPSA etc.

Desired Skills and Experience

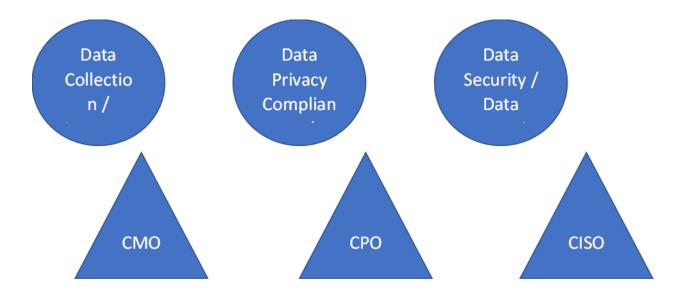
Information Security, Technical Documentation, Risk Assessment, Cyber Security, Architect, Technical knowledge, Penetration Testing, Compliance, Operating Systems, Audits, Web Applications, Web Application Security, Team Player, Vulnerability Assessment, Security Research, CISSP



Chapter 7: The COO and Their Critical Role in Cyber Resilience

Chapter 8: The CTO and Security by Design

Chapter 9: The CMO and CPO—Convergence Between Privacy and Security



Cybersecurity Risks

associated with
cybersecurity
incidents arising from
loss of confidentiality,
integrity, or
availability

cyber securityrelated privacy events

Privacy Risks

associated with privacy events arising from data processing

Cybersecurity Risks

IDENTIFY
PROTECT
DETECT
RESPOND
RECOVER

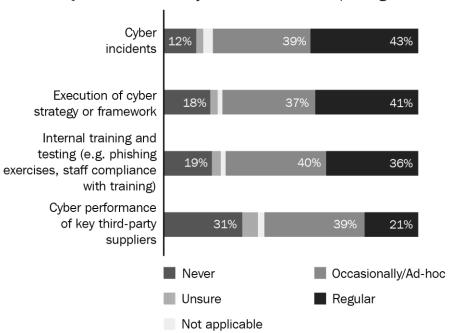
Cybersecurityrelated privacy
events
PROTECT-P
DETECT
RESPOND
RECOVER

Privacy Risks

IDENTIFY-P GOVERN-P CONTROL-P COMMUNICATE-P

Chapter 10: The World of the Board

Q: How often does your board receive reporting on...



Current state:	
Where are we now?	

Scenario / Current Cyber Risks	Strategic initiatives
Data Breach and Privacy Violations Non-compliance with regulation (PDPA, GDPR)	M&A with Company A
Business Interruption due to Technological Failure or Cyber Attack	Deployment of smart robots for cost reduction in factory A
Supply Chain Cyber Risk	New strategic partnership with Company B

Target state: Where do we want to be?

Mitigation Status	Qualitative Risk	Quantitative Losses
Not ready	High	20 000 000.00
Implementation ongoing	High	5 000 000.00
Mature	High	12 000 000.00

Strategy and roadmap:

How do we get there?

Budget Required	Risk Appetite	Target Risk
500.00	Fall	Medium
250.00	Pass	Medium
0	Pass	Low

Chapter 11: The Recipe for Building a Strong Security Culture – Bringing It All Together

