

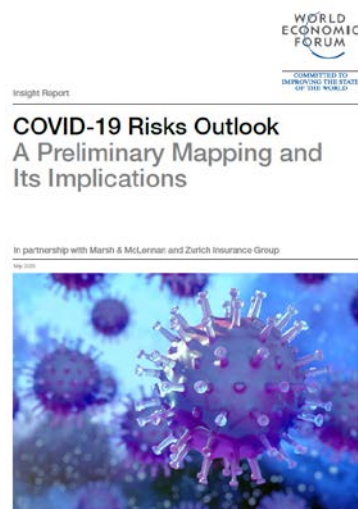
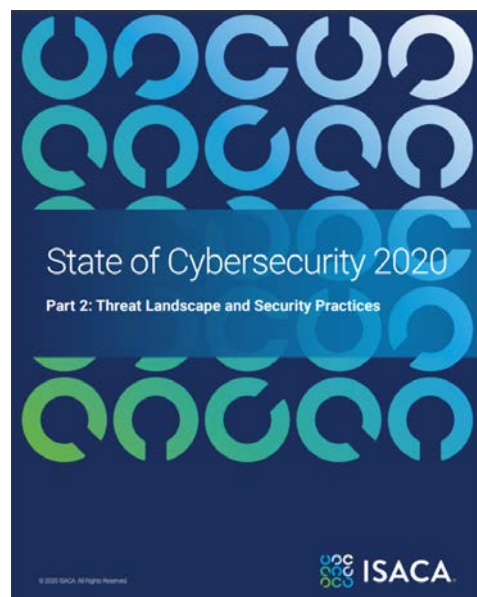


Security Governance: from protection and compliance to business value and confidence

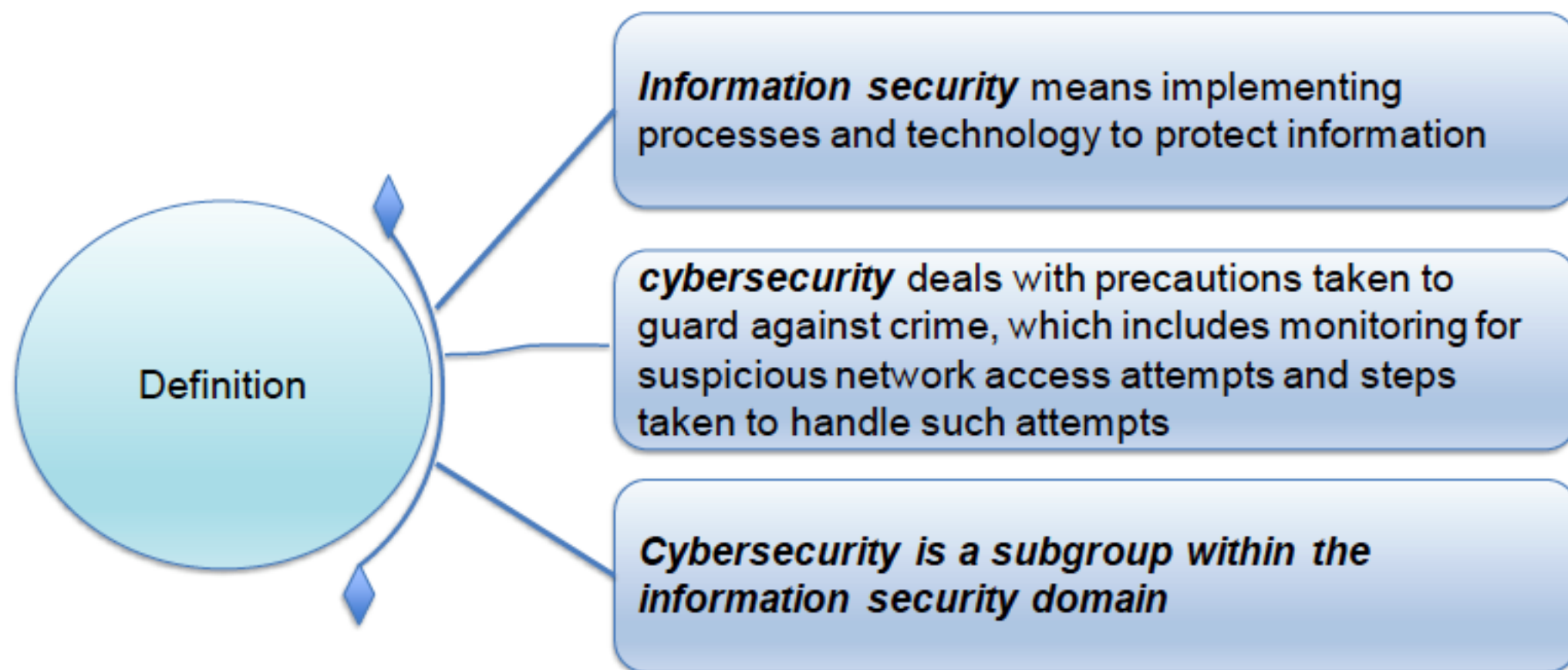
*Andrey Drozdov, CISA, CISM, CGEIT, CDPSE, COBIT 2019
ISACA Moscow Chapter, First Vice-President*

January 2021

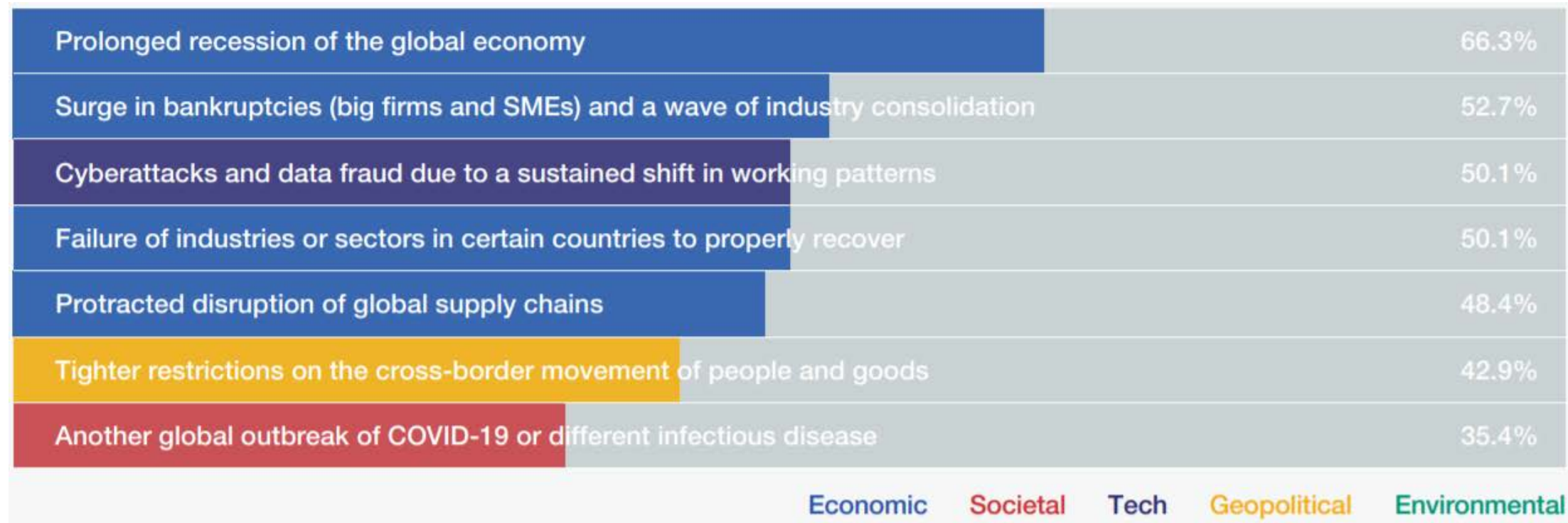
Key Sources Used



Information Security vs Cyber Security

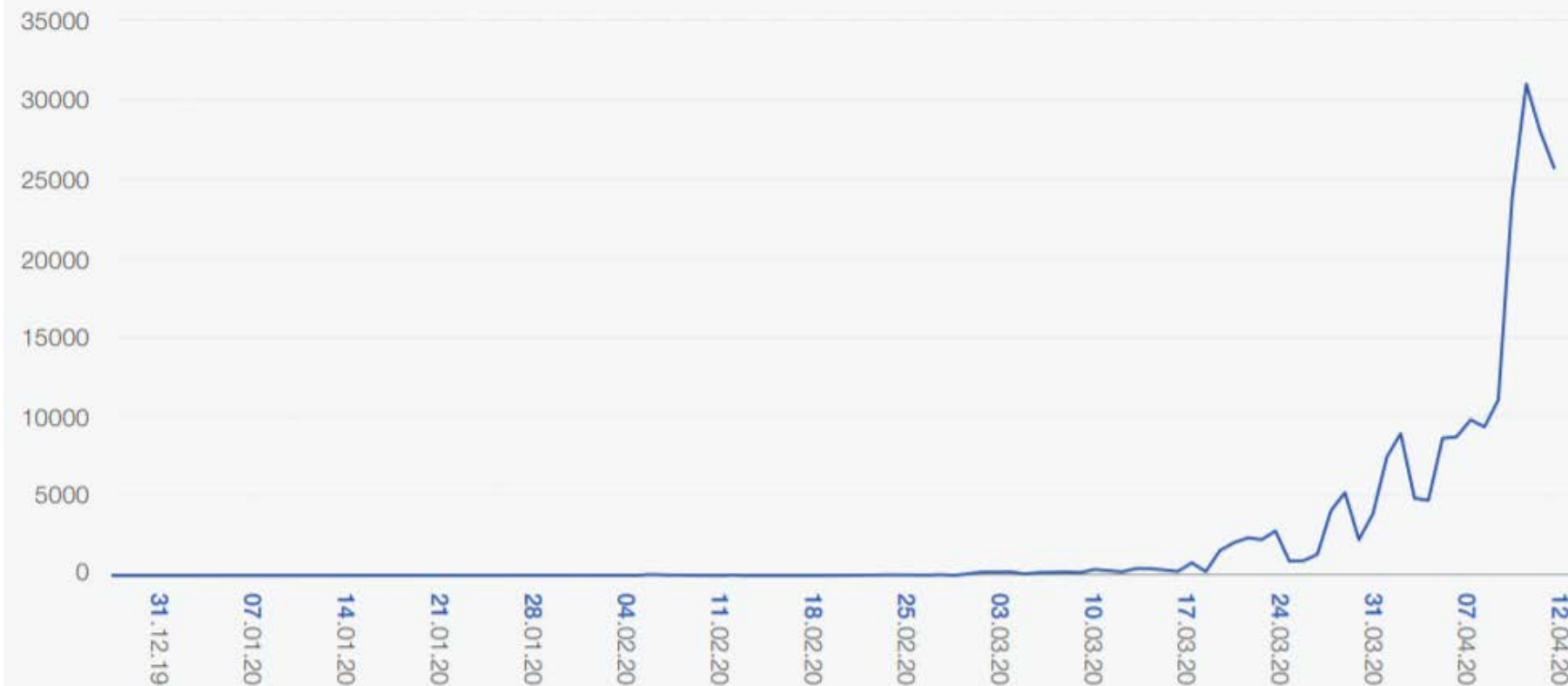


Most worrisome risks for your company



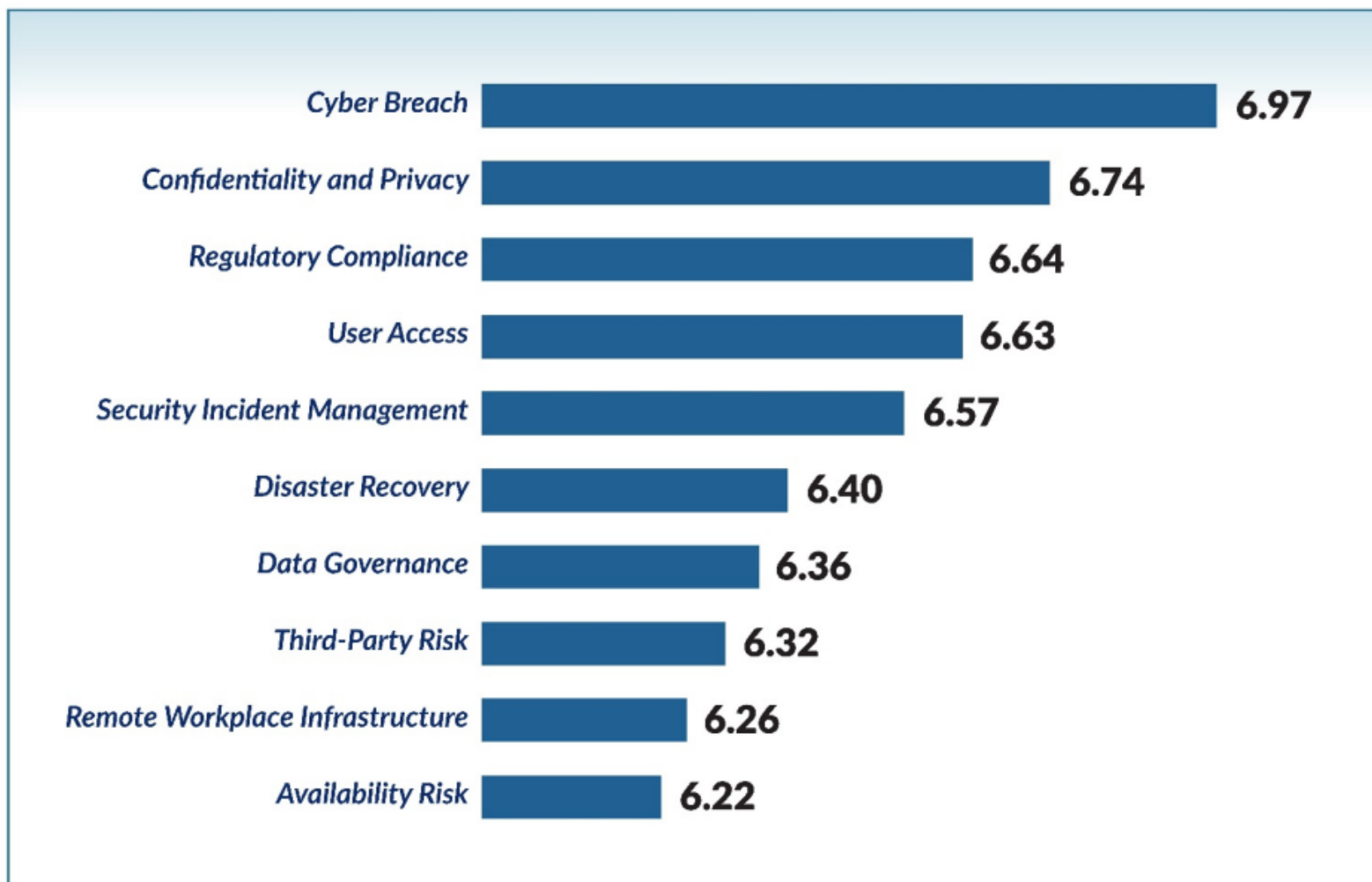
Cyberattacks detected

Coronavirus-related cyberattacks detected worldwide by Check Point Research, 31 December 2019 to 14 April 2020⁸⁵



Importance of
Cyber Resilience

Global Top 10 Technology Risks for 2021*



* *About our top technology risks scale:* Respondents were asked to rate the significance of 39 technology risk issues on a scale of 1 to 10, based on their organization's technology risk assessment, with "1" representing low impact to the organization and "10" representing extensive impact to the organization. Data points represent the mean score.

COVID-19 Ups the Ante



58%

Say threat actors will take advantage of the pandemic to disrupt organizations



87%

Say the rapid shift to work from home will increase the risk of data privacy and protection issues



51%

(Only half) are highly confident in their security team's ability to detect and respond to cyberthreats during the pandemic.⁵

Biggest Cyber Threats to Enterprise Organizations



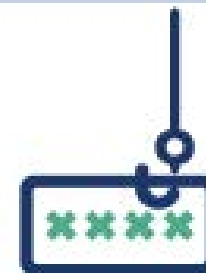
Every 11 Sec

Businesses will fall victim to a ransomware attack in 2021.³



Attack Methods

Most frequent attack methods: Social engineering, advanced persistent threats, ransomware and unpatched systems.⁴



More than 90%

Of successful hacks and data breaches stem from phishing scams.¹



180% Increase

Distributed Denial of Service (DDoS) attacks from 2018 to 2019.⁶

Much is at Stake ...

US **\$6 trillion**
annually by 2021



Cybercrime damages are projected to cost the world US \$6 trillion annually by 2021, up from \$3 trillion in 2015.¹

\$3 trillion
in 2015



60%

OF SMALL COMPANIES THAT
SUFFER A CYBERATTACK

ARE OUT OF BUSINESS
WITHIN 6 MONTHS.²



... But Confidence Is in Short Supply

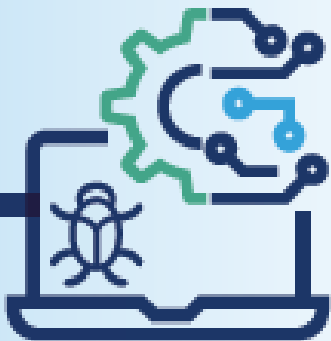
87%

of C-Suite professionals and board members lack confidence in their company's cybersecurity capabilities.³

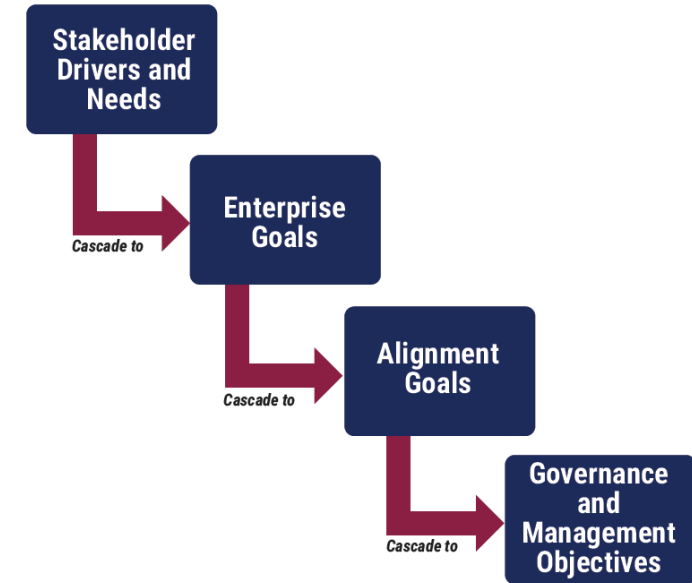


53%

of security professionals believe it is likely their enterprise will experience a cyberattack in the next 12 months.⁴

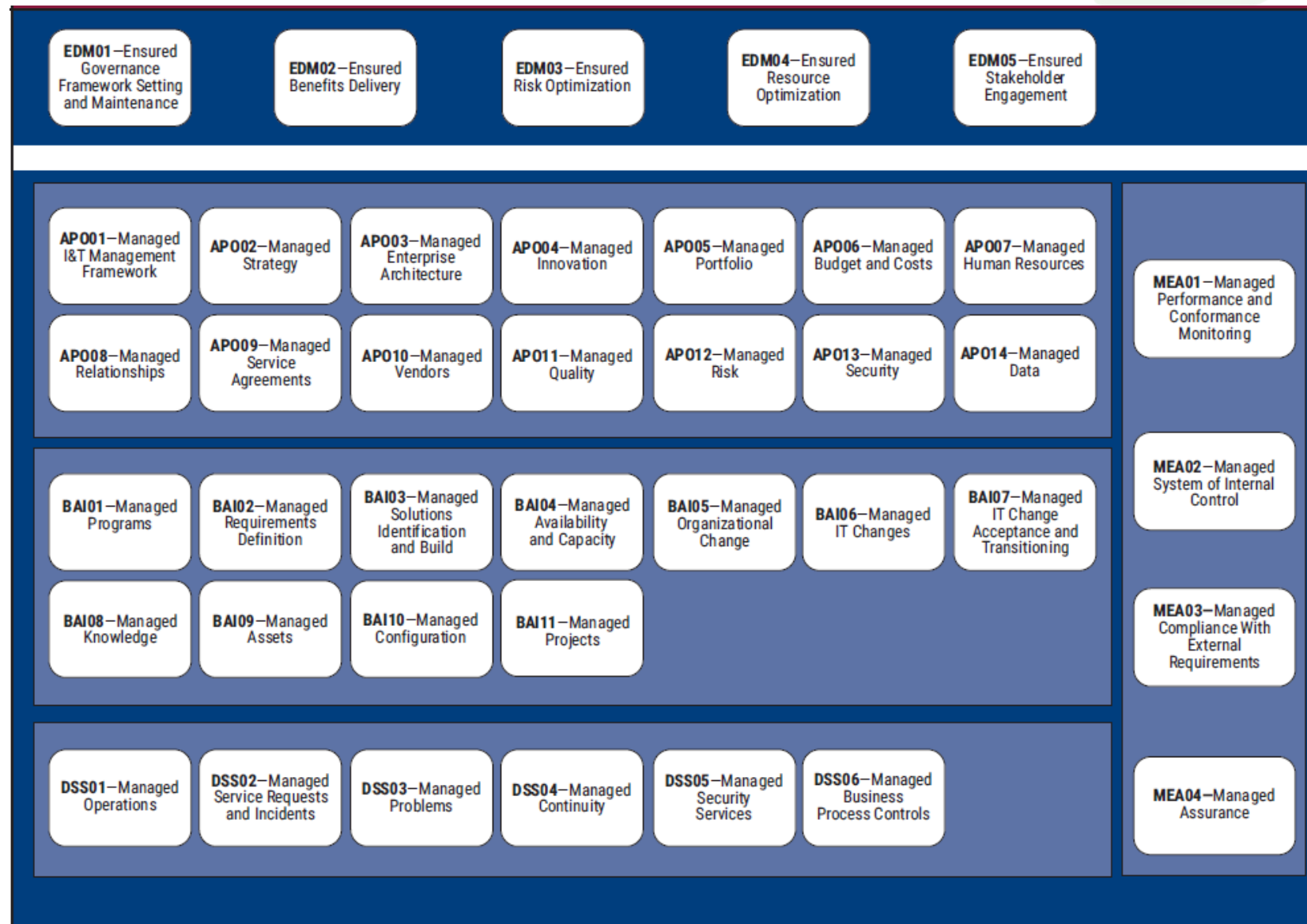


I&T Governance: setting the tone at the top

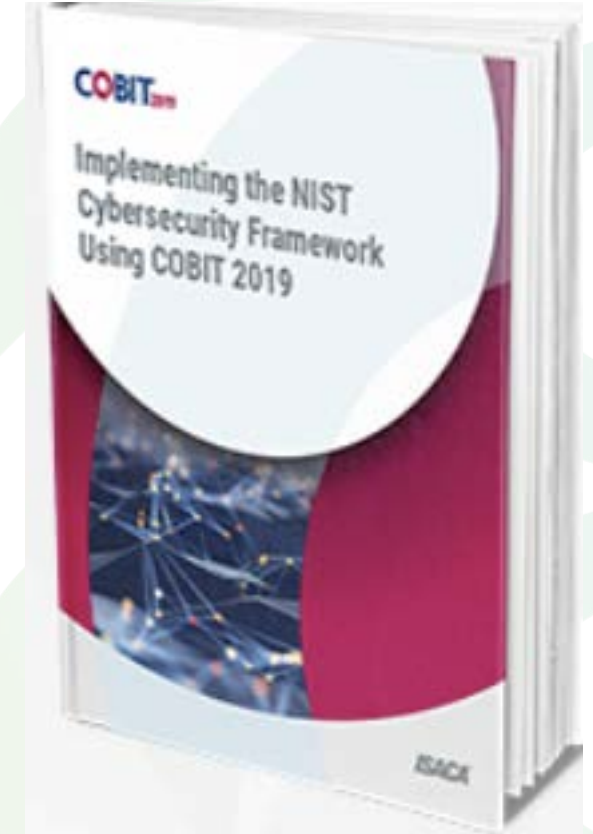
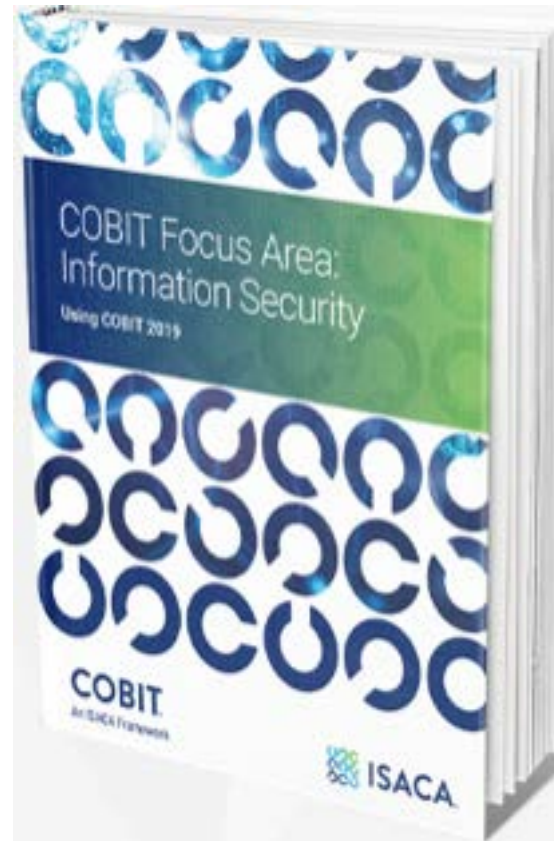


Security Governance Frameworks from: ISACA, ISO, NIST, ISF, PCI SSC

COBIT 2019 - I&T Governance Framework

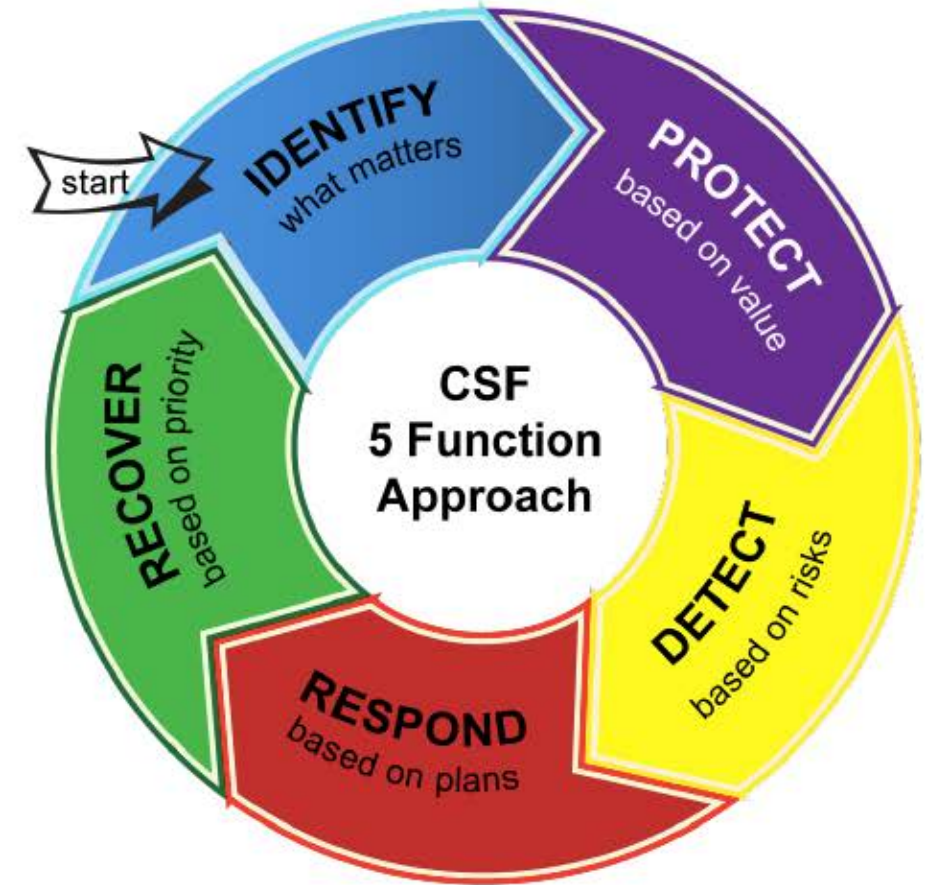


Security Governance: New Publications

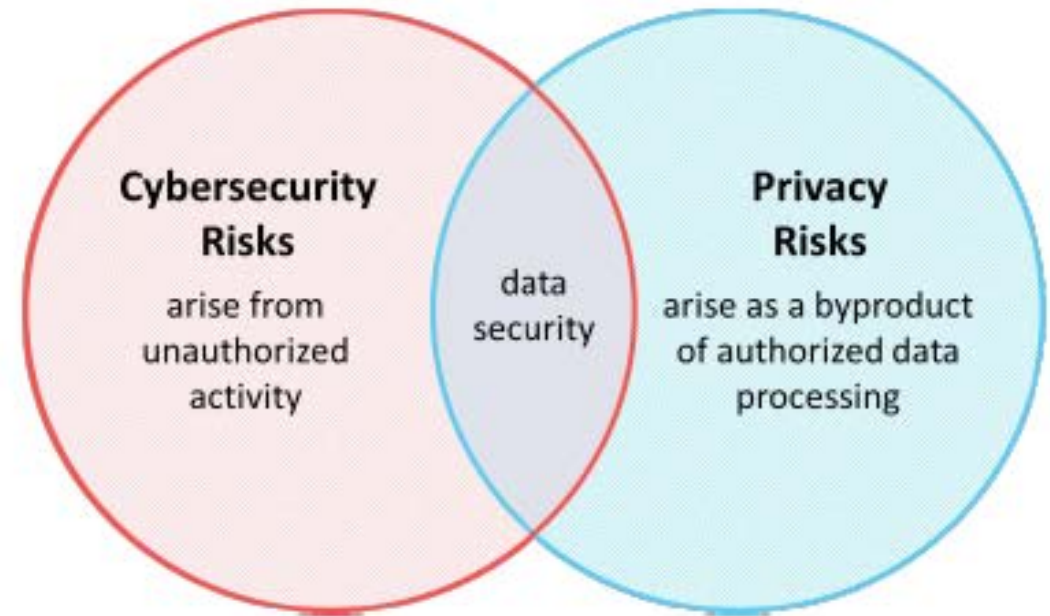


Framework for Improving Critical Infrastructure Cybersecurity (aka the Cybersecurity Framework)

- Released in 2014 with an update in 2017
- Provides a high-level model for discussing and coordinating cybersecurity activities
- Built around 5 straightforward functions, 23 categories, and 108 subcategories
- Goals are documented, current status is determined, and in light of risks, target activities & action plan are developed



- **Similar model for organizing and communicating about relationship between Cybersecurity & Privacy Risk**
- **Recognition that data security has an important role in privacy protection**
- **Individual privacy cannot be achieved solely by securing data**
- **Authorized processing: system operations that handle data (collection – disposal) to enable the system to achieve mission/business objectives**



I&T Governance: Credentialing

CERTIFICATIONS



CERTIFICATES

COBIT



**CYBER
SECURITY**
AUDIT

IT RISK
FUNDAMENTALS

CCAK



ISACA®

Moscow Chapter