

Cyber Threat Incidents/Trends Overview

June 14, 2018

CRA Charles River
Associates

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Section 1 Background About CRA

About CRA

Charles River Associates is a leading global consulting firm that provides independent economic and financial analysis of litigation matters; delivers independent forensic and cyber investigation services; guides businesses through critical strategy and operational issues to become more profitable; and advises governments and regulatory agencies on the economic impact of policies and regulations. We are headquartered in Boston with over 650 professionals located in seven countries around the world and are able to respond nimbly to events on a global scale. CRA has served major law firms, corporations, and governments around the world for the past fifty years, and has worked with over 90% of Am Law 100 law firms and over 65% of Fortune 100 companies.



CRA has offices throughout the world

Amsterdam	Frankfurt	Pleasanton
Boston	Geneva	Salt Lake City
Brussels	London	Tallahassee
Chicago	Los Angeles	Toronto
College Station	New York	Washington, DC
Dallas	Oakland	
Houston	Paris	

Section 2

Key Members of our Team

Team Member Bios

Name**Andy Obuchowski / Boston Office****Experience**

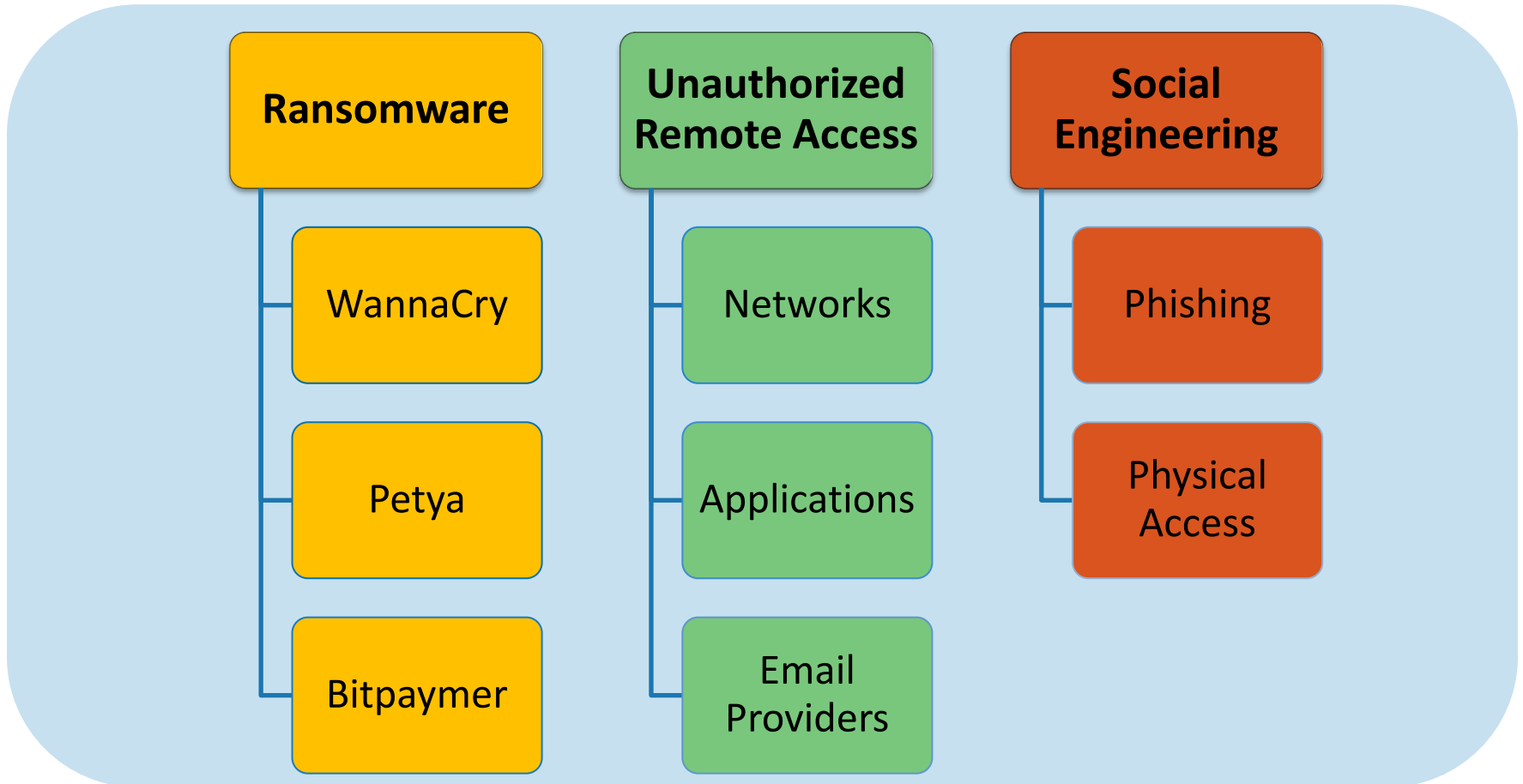
Andy leads high-profile cybercrime and data breach investigations and provides digital forensics and incidence response services. His experience includes managing teams responsible for data breach investigations, complex digital forensic collections, network vulnerability and rapid security assessments. Mr. Obuchowski has substantial experience providing testimony a deposition, hearings, and bench and jury trials. As a former law enforcement officer and Special US Marshall with the Regional Electronic & Computer Crime Task Force (REACCT), he managed digital-related investigations on all types of media, ensured compliance with accepted computer forensic protocols, and presented testimony for numerous criminal cases. Mr. Obuchowski holds numerous certifications and has earned his Master's in National Security. He is also an adjunct professor at Anna Maria College.

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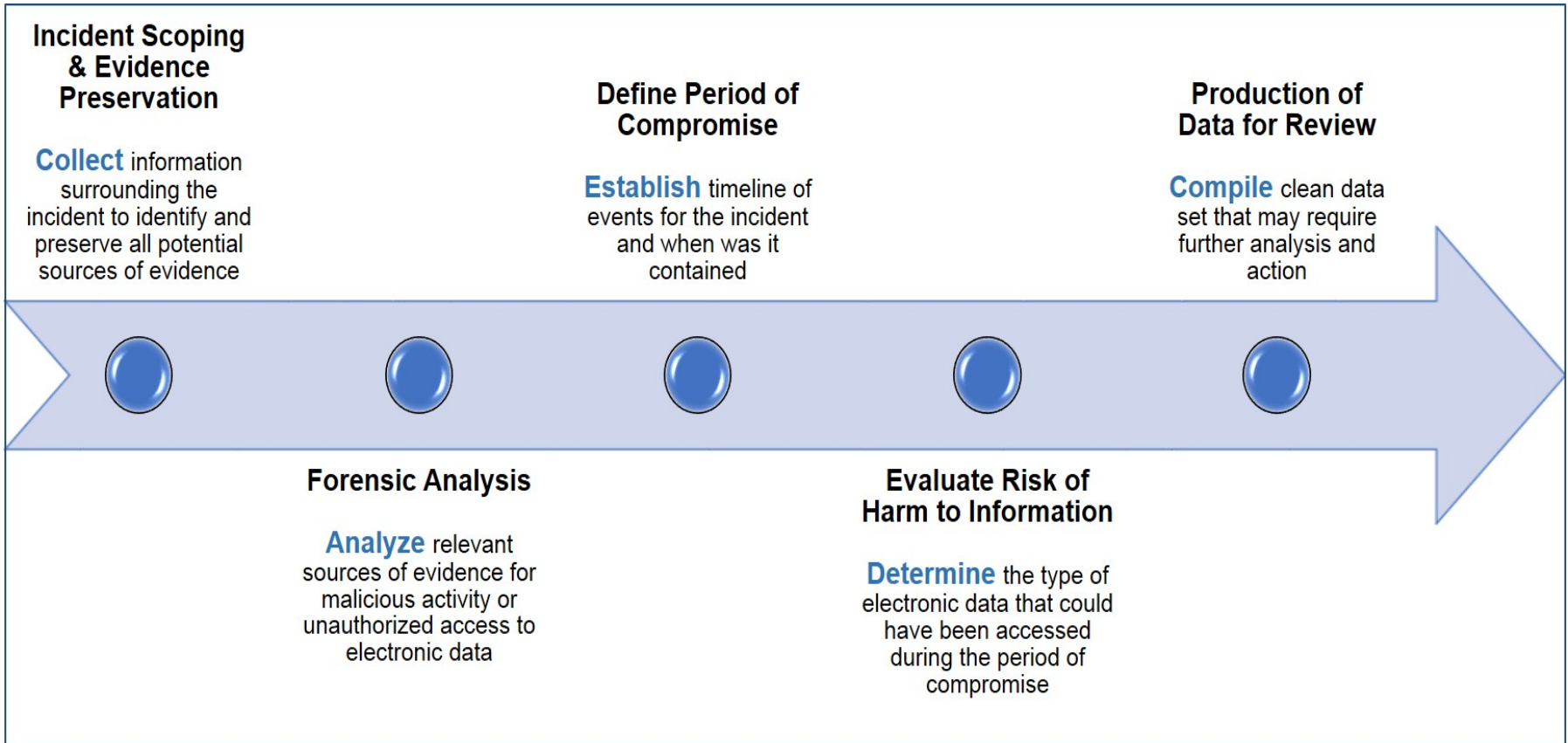
Section 3

Current Attack Trends

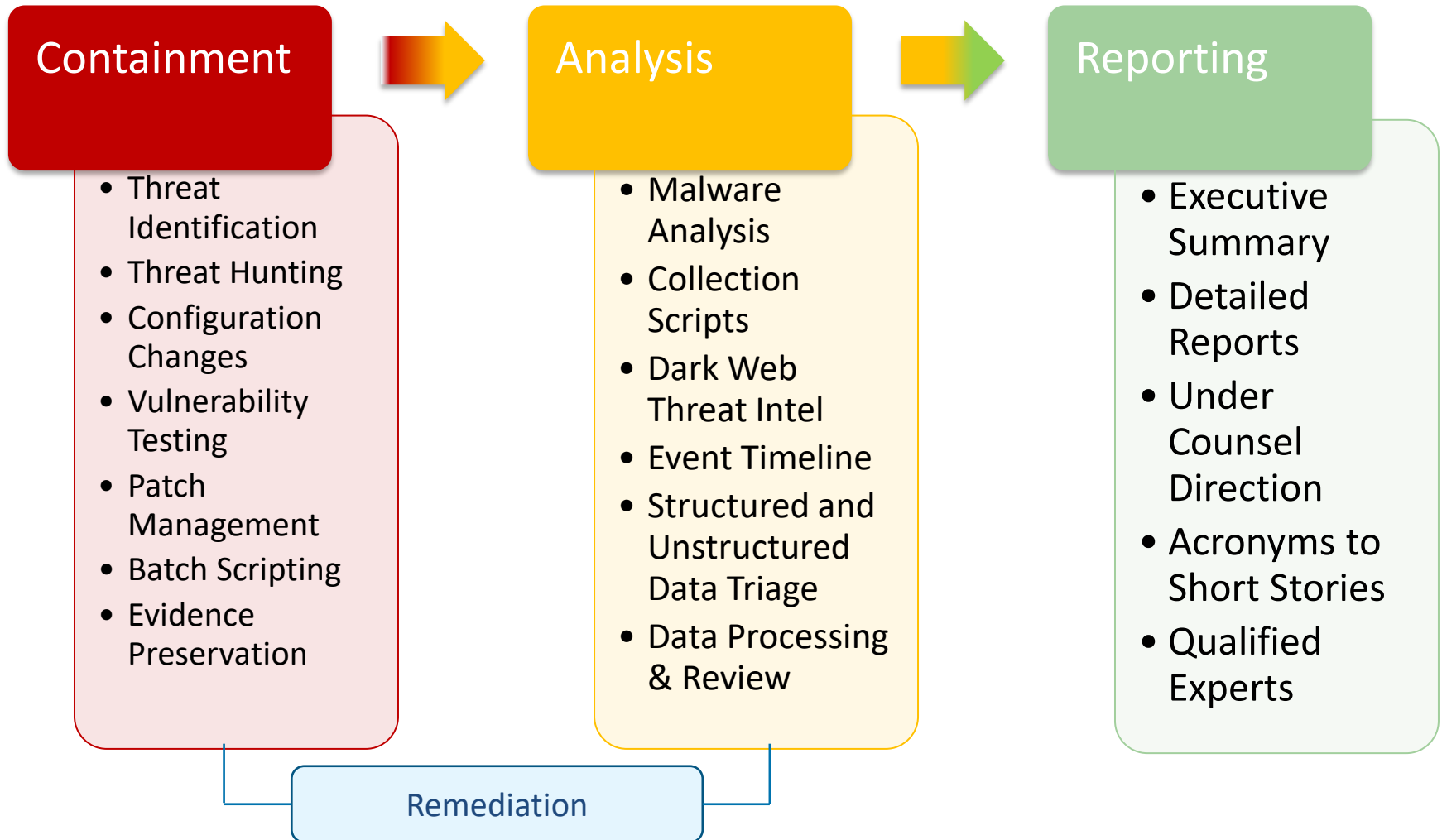




Section 4 Incident Response Process



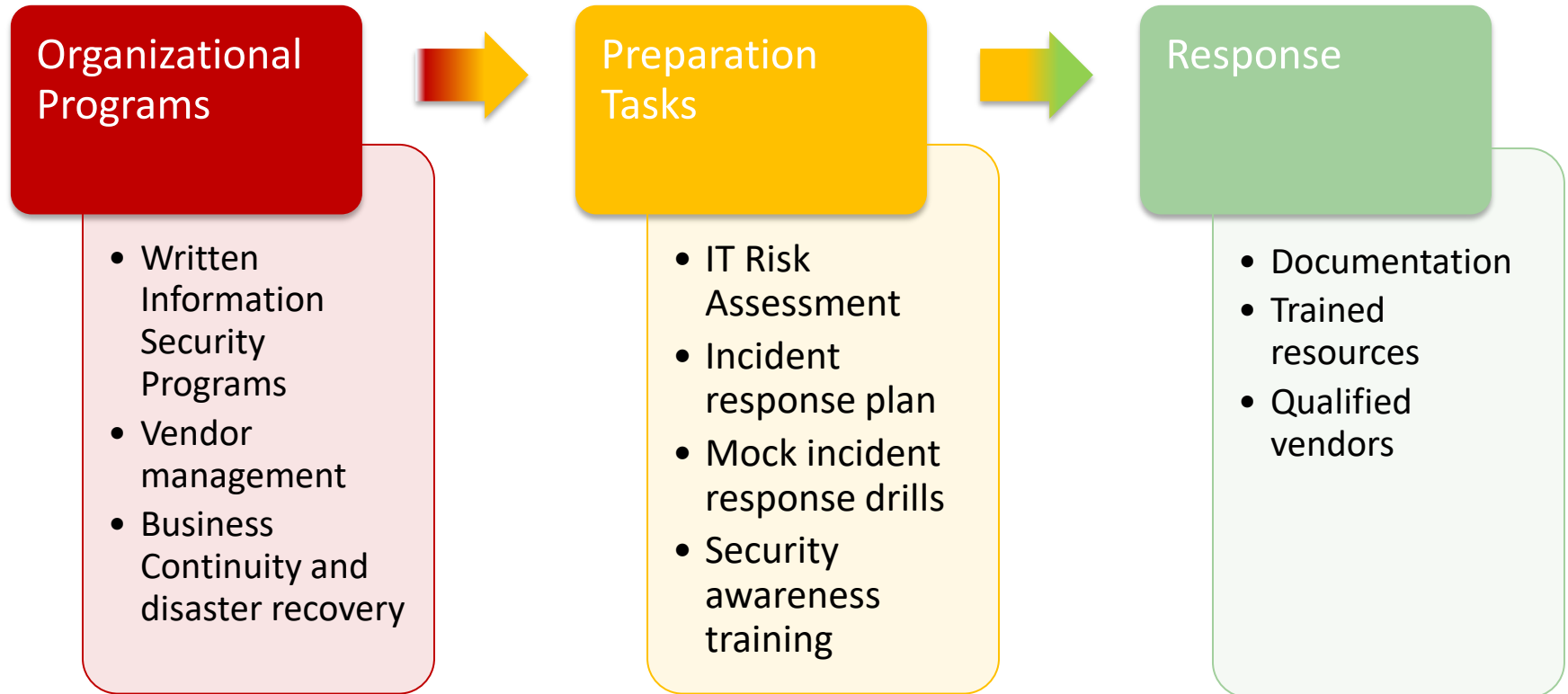
Process Summary



Section 5

Risk Mitigation

Administrative Tasks



Technical Tasks

- Data segregation
 - Data classification/identification program
- Network and application patch management
- Backup and archiving solutions
 - Access to data backup and offsite facilities
 - Test archiving solutions (email, data vaults)
 - Speed of exports, change in file properties, search functionality
- Network vulnerability testing
- Enterprise monitoring solutions
 - Event logging (VPN, file audit, network access, building access)
 - Data Loss Prevention (DLP) solutions