

Risk Assessment Part 2

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Assets:

Assets	Estimated Value
Home (Bakersfield,CA, Single Story)	#[REDACTED]
Furniture	#[REDACTED]
Appliances	#[REDACTED]
Car	#[REDACTED]
Home Gym Equipment	#[REDACTED]
Clothes and Linens	#[REDACTED]
Books & Comics	#[REDACTED]

Data and Information Assets:

Information Type	Data Elements	Data Classification	Potential Impact
Personally Identifiable Information (PII)	Name, Address Phone Number	Sensitive	SC PII = {(Confidentiality, Low), (Integrity, Moderate), (Availability, Low)}
Personal Financial Information (PFI)	Checking & Savings Accounts Numbers and PIN, Credit Card and PIN Numbers, Credit Reports	Private	SC PFI = {(Confidentiality, High), (Integrity, High), (Availability, Moderate)}
Education Information (EI)	Courses & Grades, ID #'s,	Sensitive	SC EI = {(Confidentiality, Moderate), (Integrity, High), (Availability, Low)}
Private Health Information (PHI)	Medical Health Number	Private	SC PHI = {(Confidentiality, High), (Integrity, High), (Availability, Moderate)}
PII	Social Security Number	Sensitive, Confidential	SC PII = {(Confidentiality, High), (Integrity, High), (Availability, Low)}
Teaching Certification Information (TCI)	Substitute Credential Document Number, CBEST ID, CANRA Document Number	Public	SC TCI = {(Confidentiality, Low), (Integrity, High), (Availability, Moderate)}

Information Technology Assets:

Information Technology Assets	Estimated Value	Information Type Potential Impact	Information Technology Potential Impact
PC	\${REDACT}	SC PII = {(Confidentiality, Moderate), (Integrity, Moderate), (Availability, Low)}	SC PC = {(Confidentiality, High), (Integrity, High), (Availability, Moderate)}
		SC PFI = {(Confidentiality, High), (Integrity, High), (Availability, Moderate)}	
		SC EI = {(Confidentiality, Moderate), (Integrity, High), (Availability, Low)}	
		SC TCI = {(Confidentiality, Low), (Integrity, High), (Availability, Moderate)}	
Cell Phone	\${REDACT}	SC PII = {(Confidentiality, Moderate), (Integrity, Moderate), (Availability, Low)}	SC Cell Phone = {(Confidentiality, High), (Integrity, High), (Availability, Moderate)}
		SC PFI = {(Confidentiality, High), (Integrity, High), (Availability, Moderate)}	
USB Drives	\${REDACT}	SC Past Projects for Reference = {(Confidentiality, Moderate), (Integrity, Moderate), (Availability, Low)}	SC USB Drives = {(Confidentiality, Moderate), (Integrity, Moderate), (Availability, Low)}
Modem & Router (M&R)	\${REDACT}	SC Password & IP Address = {(Confidentiality, High), (Integrity, High), (Availability, Moderate)}	SC Modem & Router = {(Confidentiality, High), (Integrity, High), (Availability, Moderate)}

PART 2 - Controls

Asset 1

Name of Asset:	Home		
Threat(s):	Vulnerable to Threat(s)	Current Controls/ Mitigation Strategy	Proposed Controls/ Mitigation Strategy
Adversarial	Vandalism	Home Insurance	Erect a Fence; Install a Security Camera
Accidental	Electrical or Cooking Fire; Flooding From Human Error	Smoke Alarms; Safe Practices by Attending Oven, Stove, and Faucets When in Use; No Extension Cords, Other Surge Protectors	Purchase and Place the Correct Fire Extinguishers in Strategic Locations; Find or Purchase Main Water Line Key
Environmental	Fires Earthquakes, and Flood if Lake Isabella Dam Fails	Home Insurance with Earthquake, Fire & Flood Included	Have PG&E, Plumbers, and Electricians Inspect Home; Possibly even Hire an Independent Real Estate Inspector to Give a Report

Asset 2

Name of Asset:	Appliances		
Threat(s):	Vulnerable to Threat(s)	Current Controls/ Mitigation Strategy	Proposed Controls/ Mitigation Strategy
Accidental	Misuse (ie., Using Non HE detergent in Washing Machine, Placing Non Microwave-Safe Vessels in Microwave, Overloading Dryer, etc.)	Buy and Place Correct Liquids and Utensils Near Correct Appliances; Maintain Awareness	This is a Case Where Mitigation is Maximized with Current Practice
Structural	Power Surge or Outage; Obsolescence	Surge Protector; Knowing Breaker Scheme and Maintain Labels; Understand Water Shutoff For Washing Machine	Maintain Proper Credit for Obsolescence Replacement; Learn Lifespan of Appliances
Environmental	Fires; Flood if Lake Isabella Dam Fails	Home Insurance with Asset Protection	Maybe Place Portable Appliances In Secure Areas (Mostly Kitchen Blenders, Toasters, Espresso Machine, etc. Away from Stove, Refrigerator etc.)

Asset 3

Name of Asset:	Car		
Threat(s):	Vulnerable to Threat(s)	Current Controls/ Mitigation Strategy	Proposed Controls/ Mitigation Strategy
Adversarial	Theft and Vandalism	Car Insurance;	Erect Fence Around Driveway; Possibly Park in Back Acre Behind Fence
Accidental	Wreck	Accident and Gap Insurance; AAA to Tow; Regular Maintenance	Same as Adversarial Above Plus Defensive Driving Practices
Structural	Wear and Tear; Obsolescence	Regular Maintenance Part of Purchase (2 Years Left); Maintain Water, Oil, and Tire Levels Along With Things Like Windshield Wipers	Budget for Obsolescence Replacement, Big Purchase So Save Ahead

Data and Information Asset 1

Name of Asset:	Personally Identifiable Information (PII)		
Threat(s):	Vulnerable to Threat(s)	Current Controls/ Mitigation Strategy	Proposed Controls/ Mitigation Strategy
Act of Human Error or Failure	Father, and Late Grandfather With Same Name; Common Name (Like John Smith)	Double Check All Correspondence; Monitor and Correct Credit Reports Portion Showing PII	Limit Use of PII When Possible
Deliberate Act of Espionage	Digital Files Saved on PC and Cell Phone	Only Passwords and Thumb Biometrics;	Delete What I No Longer Need Move What I Do Need Offline to USB or External Hard Drive; Should Use Dark Web Monitoring
Deliberate Acts of Theft	Mail and Trash	Monitor Credit Report Portions That Show PII; Shred Shipping Labels and Correspondence With PII	Limit or Eliminate Official Paper Correspondence

Data and Information Asset 2

Name of Asset:	Personal Financial Information (PFI)		
Threat(s):	Vulnerable to Threat(s)	Current Controls/ Mitigation Strategy	Proposed Controls/ Mitigation Strategy
Act of Human Error or Failure	I Have Paid The Wrong Amount and To The Wrong Accounts Using Bill Pay; Been Overcharged	Monitor Credit Reports and Accounts; Double Check All Transactions	Plan Transactions in Advance When Possible; Create Budget and Shopping Lists
Deliberate Act of Espionage	Interception of Online Purchase Transactions; Do Not Use ATM's of Unknown Banks (I used a Gas Station ATM, Bank Called and Found Perpetrators Using My PFI Online Within Hours)	Monitor Credit Reports and Accounts	Limit Spur of the Moment Purchases online; Use VPN and Cryptological Payment Methods; Do Not Use 3rd Party ATM Machines
Deliberate Acts of Theft	Wallet or Correspondence Theft	Monitor Credit Reports and Accounts; Went Paperless	Keep Debit and Credit Cards Locked at Home, Unless Planned Usage; Shred Credit Cards

Data and Information Asset 3

Name of Asset:	Personal Health Information (PHI)		
Threat(s):	Vulnerable to Threat(s)	Current Controls/ Mitigation Strategy	Proposed Controls/ Mitigation Strategy
Act of Human Error or Failure	Doctor or Clerk Mistakes	Get Copies of All Lab Reports to to verify, then shred	Create Login with Health Providers, I Have Been Avoiding That
Deliberate Acts of of Theft	Prescriptions Taken From Mail Box	Receive Delivery Confirmation at Delivery Time	Post-Pandemic Go To Pharmacy and Pick Up in Person
Deviations in Quality of Service	Lack of Coordination Between Doctors and Insurance	Understand Doctors and Question Insurance as Needed	Take Time to Actually Read The Fine Print Periodically Sent by Insurance; Understand Yearly Enrollment Terms Fully

Information Technology Asset 1

Name of Asset:	PC		
Threat(s):	Vulnerable to Threat(s)	Current Controls/ Mitigation Strategy	Proposed Controls/ Mitigation Strategy
Structural	Power Surge or Outage	Surge Protector; Minimal Backup on USB drives	Back-up Critical Information and Work On External Hard Drive With a Deliberate, Regular Schedule
Adversarial	Ad-Hoc Groups Outsider Individuals Hacking, Phishing	Antivirus; Change Passwords Regularly	Ensure Firewall is On; Use Encryption and VPN
Environmental	Fires; Flood if Lake Isabella Dam Fails	Property Insurance That Covers Physical Assets	Consider Alternating Back-up Hard Drives And Storing Off-site (Different Siblings Homes)

Information Technology Asset 2

Name of Asset:	Cell Phone		
Threat(s):	Vulnerable to Threat(s)	Current Controls/ Mitigation Strategy	Proposed Controls/ Mitigation Strategy
Adversarial	Ad-Hoc Groups Outsider Individual Hacking, Phishing	Password and Thumb Biometric Required	Connect only To Trusted Networks; Change Passwords More Frequently; Delete Banking and Shopping Apps That Have My Account Information Including PII and PFI
Accidental	Misplacing (Losing)	Password and Thumb Biometric Required	Delete Any Personal Info; Delete Search History and any Downloads;
Structural	Operating System; Obsolescence	Update OS To Keep Current;	Dedicate Budget To Replace for Eventual Obsolescence

Information Technology Asset 3

Name of Asset:	Modem & Router		
Threat(s):	Vulnerable to Threat(s)	Current Controls/ Mitigation Strategy	Proposed Controls/ Mitigation Strategy
Adversarial	Ad-Hoc Groups Outsider Individual Hacking, Phishing, Hijacking	Update Firmware And Passwords Regularly ; Guest Connection for Visitors	Review List of Connected Devices; Disconnect any Device no Longer Being Used; Replace every 3 Years Minimum
Structural	Power Surge or Outage; Obsolescence	Surge Protector or Outage	Budget for Eventual Obsolescence
Environmental	Fire; Flood if Lake Isabella Dam Fails	Home Insurance That Covers Physical Assets	This is a Case Where Mitigation is Maximized with Current Practice