Asset Inventory and Risk Assessment Table Template.

Be sure to include write-up for providing me some context on what you list.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Asset Name | Description | Sys ID | CIA Asset Value | Priority | Threat Categorization | Vulnerability Description | ARO | Controls in Place | Uncertainty | Risk Value | Controls Needed | Action Plan ID | |
| 1 | Masyn Grisel | Me | 1 | $8000 | Vital | Confidentiality, Low |  |  |  |  |  |  | |  |
|  |  |  |  |  |  | Integrity, Moderate |  |  |  |  |  |  | |  |
|  |  |  |  |  |  | Availability, High | Getting sick | Low .05 | Healthy diet, work out, sober, 0.8 | 0.2 | $96 |  | |  |
| 9 | School Procedure | Doing schoolwork on computer | 2 | $1110 | Vital | Confidentiality, Low |  |  |  |  |  |  | |  |
|  |  |  |  |  |  | Integrity, Moderate |  |  |  |  |  |  | |  |
|  |  |  |  |  |  | Availability, High | Unable to access schoolwork | Medium 0.1 | Finish homework early, 0.7 | 0.25 | $41.63 |  | |  |
| 17 | Desktop | My desktop computer for school | 3 | $1810 | Vital | Confidentiality, Moderate |  |  |  |  |  |  | |  |
|  |  |  |  |  |  | Integrity, High | Getting hacked | Low .05 | Firewall, no leaked password, 0.7 | 0.5 | $40.73 | Increase education, backup storage | |  |
|  |  |  |  |  |  | Availability, High | Computer Crashes | Low .05 | Update software, use Anti-Virus,0.8 | 0.2 | $21.72 | Backup storage for files | |  |
| 28 | Chase App | My banking app | 4 | $3500 | Vital | Confidentiality, High | Phishing attack | Low 0.05 | Disregard emails and phone calls from sources not trusted 0.8 | 0.2 | $42 | Education on hacking methods for bank accounts | |  |
|  |  |  |  |  |  | Integrity, High | Personal information being changed | Low 0.05 | Monitoring accounts and keeping track of information 0.8 | 0.2 |  |  | |  |
|  |  |  |  |  |  | Availability, Moderate |  |  |  |  |  |  | |  |
| 49 | Phone | My cell phone | 5 | $3800 | Vital | Confidentiality, High | Poor passwords | 0.1, Medium | Different and elaborate password 0.8 | 0.2 | $91.20 | Change passwords routinely | |  |
|  |  |  |  |  |  | Integrity, Moderate |  |  |  |  |  |  | |  |
|  |  |  |  |  |  | Availability, Moderate |  |  |  |  |  |  | |  |
| 57 | Blackboard | School system | 7 | $30,000 | Vital | Confidentiality, Low |  |  |  |  |  |  | |  |
|  |  |  |  |  |  | Integrity, High | Crashing of system | Low 0.05 | Download and keep copies of work 0.9 | 0.1 | $165 |  | |  |
|  |  |  |  |  |  | Availability, High | Crashing of system | Low 0.05 | Download and keep copies of work 0.9 | 0.1 | $165 |  | |  |

You can use ARO ranges if you wish with the following values:

Very Low - .001

Low - .05

Medium - .1

High - .15

Very High - .2

You can use control effectiveness ranges with the following values:

Very Low - .25

Low - .5

Medium - .7

High - .8

Very High - .9

You can use the following ratings for designating priority:

Vital - business can not operate if lost more than a day

Critical - business can not operate if lost 2-5 days

High - major disruptions if lost more than a week, impacts parts of the organization immediately

Medium - major disruptions if lost more than a month, impacts parts of the organization immediately

Low - impacts parts of the organization

Facilitates - minimal impact on organization, impacts individuals

Risk Value = Asset Value x ARO x (1 – control effectiveness) x (1 + uncertainty)

Example: Asset Value = $1000, ARO = .1, control effectiveness = .8, uncertainty = .2 (80% certain)

Risk Value = $1000 x .1 x (1-.8) x (1+.2)

Risk Value = $1000 x .1 x .2 x 1.2

Risk Value = $24