**Threat Assessment Assignment**

Geldi Omeri  
ITMS-588

### VSB Threat Matrix / Total Risk

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Significance**  **(1-5)** | **Occurrence**  **(1-5)** | **Total Risk** |
|  | **A:**  **Operating Impact** Low (1) Medium (3)  High (5) | **B:**  **Historical Likelihood** Extremely Low (1) Very Low (3) Low (5) | **A x B:**  **Total Risk**  (Significance x  Likelihood) | |
| **Environmental (Availability)** |  |  |  | |
| Earthquake | 3 | 0 | **0** | |
| Flood | 2 | 1 | **2** | |
| Blizzard / Ice Storm | 1 | 2 | **2** | |
| Tornado | 1 | 0 | **0** | |
| Hail | 1 | 1 | **1** | |
| **Systemic (Availability)** |  |  |  | |
| Terrorism (Water, Air, Bomb) | 5 | 1 | **5** | |
| Power Failure | 5 | 4 | **20** | |
| Riot | 3 | 0 | **0** | |
| Fire | 5 | 2 | **10** | |
| Transportation Issues (Strike, Fuel, Roads) | 1 | 2 | **2** | |
| Financial Market Failure | 5 | 0 | **0** | |
| Communication Line Failures | 5 | 3 | **15** | |
| Denial of Service | 3 | 3 | **9** | |
| Ransomware | 4 | 2 | **6** | |
| Server Failure | 5 | 2 | **10** | |
| ERP Software Failure | 4 | 3 | **12** | |
| Hardware Theft (Laptops, phones, etc.) | 3 | 2 | **6** | |
| **Electronic (Confidentiality)** |  |  |  | |
| Data Compromise | 5 | 3 | **15** | |
| Data Leakage | 5 | 4 | **20** | |
| Insider Attack | 5 | 1 | **5** | |

|  |  |
| --- | --- |
| **Assessed Risk Rating** | **Categorization** |
| 20 - 25 | Critical Risk |
| 15 – 19 | High Risk |
| 10 – 14 | Above Average Risk |
| 5 – 9 | Average Risk |
| 0 – 4 | Negligible Risk |