# Security Risk Assessment Recommended Action Items

| NO. | RECOMMENDED ACTION | COST | BENEFIT | RISK |
| --- | --- | --- | --- | --- |
| 1 | Develop a foundation of Security Policies, Practices and Procedures, especially in the area of change control. | Low | High | High |
| 2 | Complete security staffing for the ISO Security Group, and for security liaisons within each of the other Divisions | Expensive | High | High |
| 3 | Complete Computer Security Incident Response Team (CSIRT) capability. | Moderate | High | High |
| 4 | Implement Service Level Agreements (SLAs) | Moderate | High | High |
| 5 | Complete the intrusion detection infrastructure. | Moderate | High | High |
| 6 | Redesign the Internet perimeter, incorporating concepts of N-tier architecture and "defense in depth" into the re-design of the Internet perimeter and Enterprise Architecture. | Low | High | High |
| 7 | Migrate to a more centralized and integrated model of operations management, including centralized logging, event correlation, and alerting. | Low to Moderate | High | High |
| 8 | Establish and enforce a globally-accepted password policy | Low | High | High |
| 9 | Harden servers on the internal network. | Low | High | High |
| 10 | Address vulnerability scanning results in order of high risk to low risk. | Low | High | High |
| 11 | Reclassify email as a mission critical application. | Low | Moderate | Medium |
| 12 | Perform data classification to determine security levels needed to protect that data | Moderate to Expensive | High | High |
| 13 | Install encryption on mobile computers to protect the confidentiality and integrity of data. | Moderate to Expensive | High | High |
| 14 | Institute vulnerability scanning as a regular scheduled maintenance task | Moderate to Expensive | High | High |
| 15 | Establish router configuration security standards, forming baseline practices. | Low | High | High |
| 16 | More closely integrate worker termination activities between HR and IT. Incorporate new-hire orientation and annual security "refresher" for all employees | Low to Moderate | High | High |
| 17 | Establish an Operations group facilitated discussion to improve processes and communications, and to eliminate any misunderstandings | Low | High | High |