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|   |   |   |   |   |   |
|   | **ISO/IEC 27002 Standard** |   |   |
|   |   |   |   |   |   |
|   | **SECURITY GAP ANALYSIS** |   |
|   |   |   |   |   |   |
|   |   |   |   |   |   |
| **01** |   |   |   |   |
|   | **Access Control | Limit access to data** |   |
|   | Current Practice: | Role-based access |   |
|   |   |   | Best Practice: | Mandatory access control |   |
|   |   |   |   |   |   |
| **02** |   |   |   |   |
|   | **Encryption | Encrypt sensitive data** |   |
|   | Current Practice: | Some data encrypted |   |
|   |   |   | Best Practice: | All sensitive data encrypted |   |
|   |   |   |   |   |   |
| **03** |   |   |   |   |
|   | **Patch Management | Apply timely patches** |   |
|   | Current Practice: | Monthly patch cycle |   |
|   |   |   | Best Practice: | Weekly patch cycle |   |
|   |   |   |   |   |   |
| **04** |   |   |   |   |
|   | **Incident Response | Detect and respond to incidents** |   |
|   | Current Practice: | Manual incident handling |   |
|   |   |   | Best Practice: | Automated incident response |   |
|   |   |   |   |   |   |
| **05** |   |   |   |   |
|   | **Network Security | Segment network zones** |   |
|   | Current Practice: | Flat network architecture |   |
|   |   |   | Best Practice: | VLANs and firewalls for segmentation |   |
|   |   |   |   |   |   |
| **06** |   |   |   |   |
|   | **Data Backup | Regular backups** |   |
|   | Current Practice: | Weekly backups |   |
|   |   |   | Best Practice: | Daily backups with off-site storage |   |
|   |   |   |   |   |   |
|   | **Review your current practices against industry best practices. Note where your organization falls short (the gaps). For each gap, propose corrective actions.** |   |
|   |   |   |   |   |   |
|   | **SECURITY CONTROL AREA** | **CORRECTIVE ACTION** |   |
|   |  |  |  |  |   |
|   | **Access Control Gap** | Implement mandatory access controls for critical systems. |   |
|   | **Encryption Gap** | Encrypt all sensitive data at rest and in transit. |   |
|   | **Patch Management Gap** | Increase patch frequency to weekly. |   |
|   | **Incident Response Gap** | Invest in automated incident detection and response tools. |   |
|   | **Network Security Gap** | Implement VLANs (Virtual LANs) and firewalls to segment your network zones.  |  |
|   | **Data Backup Gap** | Increase the frequency of data backups to daily and ensure off-site storage. |   |
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