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It System Audit Checklist

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System Architecture

- ☐ Architecture documented completely
- ☐ Design principles followed
- ☐ Components identified clearly
- ☐ Interfaces defined properly
- ☐ Dependencies mapped accurately
- ☐ Data flows documented
- ☐ Integration points secured
- ☐ Scalability considered
- ☐ Performance designed in
- ☐ Security architected
- ☐ Redundancy implemented
- ☐ Documentation current

System Development

- ☐ SDLC methodology followed
- ☐ Requirements documented
- ☐ Design reviewed and approved
- ☐ Development standards enforced
- ☐ Code reviews conducted
- ☐ Testing comprehensive
- ☐ Security testing performed
- ☐ User acceptance completed
- ☐ Documentation complete
- ☐ Training provided
- ☐ Deployment controlled
- ☐ Post-implementation reviewed

System Configuration

- ☐ Configuration standards defined
- ☐ Baseline configurations established
- ☐ Hardening guidelines applied
- ☐ Default settings changed
- ☐ Unnecessary services disabled
- ☐ Security patches current
- ☐ System parameters optimized
- ☐ Logging configured properly

- ☐ Monitoring enabled
- ☐ Alerts configured
- ☐ Documentation maintained
- ☐ Changes controlled

System Operations

- ☐ Operating procedures documented
- ☐ System monitoring active
- ☐ Performance acceptable
- ☐ Availability targets met
- ☐ Batch processing controlled
- ☐ Job scheduling managed
- ☐ Output distribution secure
- ☐ Error handling effective
- ☐ Incident management active
- ☐ Problem management mature
- ☐ Maintenance scheduled
- ☐ Documentation current

Database Management

- ☐ Database design normalized
- ☐ Performance tuned
- ☐ Security configured
- ☐ Access controlled strictly
- ☐ Backup procedures tested
- ☐ Recovery capability verified
- ☐ Integrity constraints enforced
- ☐ Indexes optimized
- ☐ Statistics updated
- ☐ Maintenance automated
- ☐ Monitoring active
- ☐ Documentation complete

System Security

- ☐ Security requirements defined
- ☐ Authentication strong
- ☐ Authorization granular
- ☐ Encryption implemented
- ☐ Audit logging comprehensive
- ☐ Access reviews regular
- ☐ Vulnerability assessments done
- ☐ Security patches current
- ☐ Intrusion detection active
- ☐ Security monitoring continuous
- ☐ Incident response ready

- ☐ Compliance maintained

System Interfaces

- ☐ Interface inventory complete
- ☐ Data exchange secured
- ☐ Authentication required
- ☐ Authorization enforced
- ☐ Encryption used
- ☐ Error handling robust
- ☐ Monitoring active
- ☐ Performance acceptable
- ☐ Documentation current
- ☐ Testing complete
- ☐ Change control followed
- ☐ SLAs defined

System Performance

- ☐ Performance requirements defined
- ☐ Baseline established
- ☐ Monitoring continuous
- ☐ Tuning performed regularly
- ☐ Capacity planning active
- ☐ Resource utilization optimal
- ☐ Response times acceptable
- ☐ Throughput adequate
- ☐ Bottlenecks identified
- ☐ Improvements implemented
- ☐ Trends analyzed
- ☐ Forecasting performed

System Availability

- ☐ Availability requirements defined
- ☐ Architecture supports requirements
- ☐ Redundancy implemented
- ☐ Failover tested
- ☐ Load balancing active
- ☐ Maintenance windows planned
- ☐ Monitoring comprehensive
- ☐ Alerts configured
- ☐ Response procedures ready
- ☐ Recovery tested
- ☐ Documentation current
- ☐ SLAs met

Change Management

- ☐ Change control process followed
- ☐ Changes requested properly
- ☐ Impact assessed thoroughly
- ☐ Testing requirements defined
- ☐ Approvals obtained
- ☐ Implementation planned
- ☐ Rollback procedures ready
- ☐ Documentation updated
- ☐ Communication effective
- ☐ Post-implementation reviewed
- ☐ Lessons learned captured
- ☐ Improvements made

Data Management

- ☐ Data governance established
- ☐ Data quality monitored
- ☐ Data integrity enforced
- ☐ Data retention followed
- ☐ Data archival implemented
- ☐ Data disposal secure
- ☐ Backup procedures tested
- ☐ Recovery procedures verified
- ☐ Data privacy protected
- ☐ Compliance maintained
- ☐ Documentation complete
- ☐ Audit trails preserved

System Documentation

- ☐ System documentation complete
- ☐ Architecture diagrams current
- ☐ Configuration documented
- ☐ Operations manual available
- ☐ User documentation provided
- ☐ Technical specifications maintained
- ☐ Interface documentation complete
- ☐ Security documentation current
- ☐ Disaster recovery documented
- ☐ Change history maintained
- ☐ Knowledge base active
- ☐ Documentation controlled

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