TECHNICAL REQUIREMENTS FOR THE [INSERT NAME] SYSTEM

Note: Example content is in italics throughout the document. Instructions are provided in regular text.

1. PURPOSE

Instructions:

Write a purpose statement that identifies the system for which the technical requirements are being written.

Example:

The purpose of this document is to define the technical requirements for the *Name_____*system.

2. SCOPE

Instructions:

Write a scope statement that identifies what is included in the system for which the technical requirements are being written.

Provide a summary statement of the major hardware and software components that are included in the validation.

Example:

"The scope of this validation effort is limited to the XYZ Electronic Document Control System client and server software, the server it will run on (including the server operating system), the Openview and Manage X system management tools, the database server, including the system software and the Oracle database software, the ABC viewer used to view drawings, and a dedicated printer in the Document Control Department. "

Instructions:

Identify any hardware and system software elements that that are excluded from the validation, and justify the exclusion:

Example:

"This validation does not include the network hardware and software utilized to connect the components of the system (i.e., servers & associated hardware and software, routers, switches, and all associated interconnect cabling). The network will be characterized in a separate validation effort. The equipment and software used to backup the system will be validated separately. The users' workstations are excluded and fall under the IT procedure on the control of workstations.

TECHNICAL REQUIREMENTS FOR THE [INSERT NAME] SYSTEM

Entities	Components	Requirements
	2.1.7 Alternative removable media device type	CD-ROM drive
	2.1.8 Power supply quantity and type	2 x hot-swappable power supplies
	2.1.9 Local Console	KVM switch console access
	2.1.10 Number of Network Interface Card (NIC)	2
	2.1.11 NIC type	Gigabit Ethernet NIC Adapter
	2.1.12 Storage Controller	Raid 5 Disk Array
	2.2 Server Software:	
	2.2.1 Operating System	$\geq$ Windows 2000 with Service Pack 2
	2.2.2 Application Software Components	List application components
	2.2.3 Database	Oracle; specify class + revision + patchrange
3. Database	3.1 Oracle	Integrate with Application server software
4. System Integration	4.1 Email	Integrate with SMTP server to send email notifications.
	4.2 ChangeCAST	Transfers part information and product structure to MFGPRO (ERP System)
5. Communication	5.1 Communication protocols	TCP/IP
6. Security	6.1 Application Security	Users are required to log into the application with a username and password.
7. Network accessibility and availability	7.1 Application Downtime	Application is required to be available during business hours. Application services are scheduled to shut down at 11:00 PM and start up at 1:00 AM for backup
8. Backup and Recovery	8.1 Backup and recovery server requirements (see above)	Full Backup Archives are schedule for weekend. Differential Backup Archives are schedule for weekdays. Ability to recover data from tape backup is required.