

Texas A&M University-Commerce
Information Resources Strategic Plan
For The FY 2003-2007 Period

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Table 1: Goals, Objectives, Strategies, and Programs

Item	Description
Goal	<p>Texas A&M University-Commerce will deliver seamless, integrated university services to citizens through coordinated, university-wide information resources.</p> <p>Supports the 2001 State Strategic Plan for Information Resources Goals 1 and 4 and the University’s LAR goals 1 and 2.</p>
Objective	<p>Integrated information technology services are available to students, faculty, staff, alumni, and citizens through a World Wide Web interface.</p> <p>Outcomes</p> <ul style="list-style-type: none"> - All student interactions including admission applications, financial aid application and status checking, registration, fee payments, grading, unofficial transcript display, and fee payments are made available to students via the web. - All faculty and staff interactions with the University such as parking permits, insurance plan selection, payroll deduction selections, travel applications and reimbursement, etc. are made available to faculty and staff via the web. - All other group interactions are made available via the web.
Strategy	<ul style="list-style-type: none"> - Enumerate strengths and deficiencies of existing systems. - Evaluate commercial product offerings. - Evaluate joint projecting with the Texas A&M University System. - Determine product to pursue. - Evaluate the WTDROC for hosting the system. - Determine project budget, timeline, and resource needs. - Implement project. - Evaluate outcomes.

Table 1: Goals, Objectives, Strategies, and Programs (Continued)

Item	Description
Goal	Provide a secure/virus free network infrastructure. This supports Texas IR Goals 2 and 3 and A&M-Commerce LAR goals 1 and 2.
Objective	Provide a secure network.
Strategy	Complete installation of the campus firewall infrastructure.
Strategy	Install a virtual private network for authorized off-campus and wireless network access.
Strategy	Implement a secure wireless network.
Strategy	Implement a Network Intrusion Detection System.
Objective	Provide a virus free network infrastructure. Outcome The number of viruses detected by the virus scanning software on client personal computers drops to an insignificant level. This means the network infrastructure stopped the viruses without having to depend on the last line of defense.
Strategy	Install an email gateway that scans all inbound and outbound email for viruses.
Strategy	Install a combination HTTP, SMTP, FTP, POP3, and IMAP gateway from a different vendor from the email gateway to provide additional robustness to the virus scanning process.
Strategy	Upgrade the administrative Microsoft Exchange server from version 5.5 to Exchange 2000 to take advantage of improved virus scanning technology.
Goal	Provide Unified Access to A&M-Commerce Systems and Facilities. This supports Texas IR Goals 2 and 3 and A&M-Commerce LAR Goal 2.
Objective	A single user logon and password make systems more accessible to users and enhance the ability to successfully implement stronger password rules.
Strategy	Enable existing applications to use a common username/password directory. In some cases this will mean enabling existing product features. In other cases, this will mean either software development or purchase.
Strategy	Insure that purchased systems can use LDAP for authentication and directory access.
Objective	Provide unified access to University facilities.
Strategy	Implement a one card system that can be used for 1) campus and area purchases, 2) authorized access to university facilities such as food service, residence halls, computer labs, and the library, and 3) sports and other campus events.

Table 1: Goals, Objectives, Strategies, and Programs (Continued)

Item	Description
Goal	Provide optimum voice services.
Objective	Upgrade local service.
Strategy	Issue RFP for local phone service.
Strategy	Convert standard local telephone trunks to ISDN to increase call handling capacity and to provide caller ID.
Objective	Optimize long distance.
Strategy	Implement Voice-Over-IP (VOIP) to take advantage of campus network connections.

Table 2a: Databases

Database Name	
Student Information System Database for Texas A&M University-Commerce	
Database Description	This database contains all student records including admissions, biographical information, billing and academic history for all students attending the University since 1983.
Database System	VSAM
Estimated Physical Storage Requirements	10 gigabytes
GIS Data Classification	Contains no GIS information.
Sharing	The information contained in this database is proprietary to Texas A&M University-Commerce.
Future	This database will be migrated to an enterprise based information system in the FY 2005 to FY 2006 time period.

Database Name	
Student Information System Database for Texas A&M University-Texarkana	
Database Description	This database contains all student records including admissions, biographical information, billing and academic history for all students attending the University since 1983.
Database System	VSAM
Estimated Physical Storage Requirements	2 gigabytes
GIS Data Classification	Contains no GIS information.
Sharing	The information contained in this database is proprietary to Texas A&M University-Texarkana.
Future	This database will be migrated to an enterprise based information system in the FY 2005 to FY 2006 time period.

Database Name	
Library System Database	
Database Description	This database contains descriptive information for all the library holdings including circulation information.
Database System	Proprietary
Estimated Physical Storage Requirements	4 gigabytes
GIS Data Classification	Contains no GIS information.
Sharing	This database is searchable via the web.
Future	The software vendor will deliver a software upgrade during the planning process that will make sharing this database simpler and more efficient.

Table 2b: Applications

Application Name	Student Information System for A&M-Commerce
Type	Server based, Web-enabled, Electronic Commerce.
Description	System to maintain student records.
Database System	VSAM
Development Language	Cobol
Sharing	The information contained in this database is proprietary to Texas A&M University-Commerce.
Future	This database will be converted to one of the major database systems (Oracle, DB2 or Microsoft SQL Server) when the software vendor delivers the next generation of the Student Information System software (SCT/Plus2000). The primary cost for this conversion will be the cost of the database software and the hardware platform to support it.

Application Name	Student Information System for Texas A&M University-Texarkana
Type	Server based, Web-enabled.
Description	System to maintain student records.
Database System	VSAM
Development Language	Cobol
Sharing	The information contained in this database is proprietary to Texas A&M University-Texarkana.
Future	This database will be converted to one of the major database systems (Oracle, DB2 or Microsoft SQL Server) when the software vendor delivers the next generation of the Student Information System software (SCT/Plus2000). The primary cost for this conversion will be the cost of the database software and the hardware platform to support it.

Application Name	Library Automation
Type	Client Server, Web-Enabled.
Description	Software package that automates all functions of the Gee Library.
Database System	Proprietary
Development Language	Closed System
Sharing	Texas A&M University-Commerce is in the process of implementing a Z39.50 interface to this data so that other libraries within Texas can automatically search this database.
Future	The software vendor will deliver a software upgrade during the planning process that will make sharing this database simpler and more efficient.

Application Name	Alumni System
Type	Server based.
Description	Software to maintain a University alumni database.
Database System	Locally developed.
Development Language	Cobol
Sharing	The information contained in this database is proprietary to Texas A&M University-Commerce.
Future	This system will be either converted to a web-based system using either Visual Basic or Java or a packaged system will be purchased for this function.

Table 2b: Applications (Continued)

Application Name	Telephone Accounting System
Type	Server based.
Description	Software to maintain information for internal telephone billing and campus wiring.
Database System	Locally developed.
Development Language	Cobol
Sharing	The information contained in this database is proprietary to Texas A&M University-Commerce.
Future	This system will be either converted to a web-based system using either Visual Basic or Java or a packaged system will be purchased for this function.

Application Name	Sallie Mae NDSL Student Loan System
Type	Microcomputer network based.
Description	System to track NDSL student loans, calculate interest according to federal government rules, and receive payments.
Database System	Dataflex
Development Language	Dataflex
Sharing	The information contained in this database is proprietary to Texas A&M University-Commerce.
Future	This system will be converted to a web-enabled system during the planning period.

Application Name	TAMU-Commerce Leave Reporting System
Type	Web and Client-Server based.
Description	System to track employee leave reporting
Database System	Microsoft SQLServer
Development Language	Microsoft Visual Basic
Sharing	This system is available to other state agencies and universities.
Future	This system is functionally stable. Minor additions will be made to accommodate reporting such as extra duty pay for police officers.

Application Name	TAMU-Commerce BOLT—Budget Online Transfer System
Type	Web and Client-Server based.
Description	System to enable web-based budget transfer requests
Database System	Microsoft Access
Development Language	Microsoft Visual Basic
Sharing	This system would be most applicable to other Texas A&M System members.
Future	Ongoing development.

Table 3: Information Resources Management Organizations, Policies, and Practices

Category	Brief Summary/Overview
Priorities	The Computing, Telecommunications and Information Services Department provides services on a first-come, first-serve basis. In cases where this process is not appropriate, the CTIS Director works with the requesting users to establish priorities appropriate for extraordinary situations. The CTIS senior staff members participate in various campus committees including the Student Information System Project Implementation Team (SIS/PIT), the Teaching, Learning, and Technology Roundtable (TLTR), and the Academic Technology Committee. Because A&M-Commerce is a relatively small organization, this process works quite effectively.
Planning	The Director of CTIS works with the Director of Instructional Technology & Distance Education and the Director/Assistant Director of the Library to develop the IR Strategic Plan. The plan is reviewed by the University President before submission to the LBB.
Quality Assurance	Texas A&M University-Commerce has developed Quality Assurance procedures based on the DIR Quality Assurance Guidelines. The procedures will be revised when DIR produces the simplified and improved version of its Quality Assurance Guidelines planned for the near future.
Personal Computer Replacement Schedule	The Academic Affairs and Student Services Division has implemented a three-year replacement schedule for PC's within that division. This represents the majority of PC's on campus. PC's replaced are evaluated for possible redeployment.
Procurement	A&M-Commerce has evaluated leasing versus purchasing using the DIR's <i>Guidelines for Lease vs. Purchase of Information Technologies</i> and determined that purchasing is more cost effective for the University.
Disaster Recovery	Texas A&M University-Commerce has developed a Business Continuity Plan that defines the priorities and procedures for disaster recovery and business continuity. The disaster recovery plan is tested twice per year. The Business Continuity Plan was developed this past year and will be reviewed each October. A&M-Commerce is working with Prairie View A&M University to provide reciprocal recovery services.
Data Center Operations	Texas A&M University-Commerce operates a data center composed of Intel based servers, one Sun Solaris server, and one Compaq Alpha server. The Compaq Alpha server will be taken out of service in the FY 2002. The WTDROC was consulted before the University converted from an IBM mainframe to an Intel based server but no quotation was provided.

Table 3: Information Resources Management Organizations, Policies, and Practices (Continued)

Category	Brief Summary/Overview
Standards	Texas A&M University-Commerce personnel monitor the PESO working group listserv to stay apprised of changes to the standards published at http://www.dir.state.tx.us/standards . The University web manager works with campus web developers to apply the web standards specified by DIR.