



## Annual IT Strategic Plan Report

**2008-2009**

August 27, 2009

Cal Maritime's IT Strategic Plan, developed by the IT Planning and Advisory Committee (ITPAC), includes a provision for enabling a continuous cycle of improvement for campus information technology to meet current and future requirements. One of the goals of this strategic direction is to generate annual reports based on the IT Strategic Plan and an accompanying assessment plan. As part of an overall analytical process, this process enables alignment of the strategic plan with the ever-changing technologies and needs of the campus community.

The ITPAC established priorities based on the environment and needs at that time, fully realizing that it would not be possible to accomplish all of the goals at once. To a greater or lesser extent, most priorities for goals in the three-year plan were established as a best guess. As a natural consequence, some of the priorities initially thought to be lesser ones rose in importance during the past year whereas others that seemed to be higher priorities were demoted in importance.

Many of the IT projects initiated or completed in the 2008-2009 academic year find their roots in not just one but many goals of the IT Strategic Plan. To constrain the length of the report, most projects will only be associated with one goal. Rather than listing accomplishments and tying each one back to specific goals within the IT Strategic Plan, the format used in this report restates each strategic direction and its associated goals. Accomplishments are then listed beneath each goal in italics. The intent of this format is to center the focus on the plan itself rather than IT projects.

Respectfully Submitted By:

Steve Frazier, CIO

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*Note: Things not included in this report: During the 2008-2009 academic year, the IT Department standardized on iPhones as the supported cell phone. IT began using Twitter in March 2009 to keep the campus community informed of events and problems ([http://twitter.com/Cal\\_Maritime](http://twitter.com/Cal_Maritime)).*

## Strategic Directions and Goals

**Strategic Direction: Provide high quality *TRAINING AND SUPPORT* for the use of information technologies to assure productivity and efficiency**

### Rationale

Information technology holds great promise to enhance learning, teaching, creativity, and productivity. To take advantage of such promise the campus community must be able to use IT applications to their fullest. Support and training opportunities are a key to ensuring that we stay abreast of student learning styles with information technology; and to facilitate among the faculty an awareness of the possibilities of teaching with technology. Similarly, continued advancements with administrative information systems will be achieved with regular training and support.

### Goals (prioritized)

1. Assess, establish and maintain appropriate staffing levels of information technology personnel (e.g. help desk, web master, information security officer, trainer)

Report: *During the past year, the IT Department left one Programmer/Analyst position unfilled, continued one fulltime temporary position for the Help Desk and hired three part-time temporary people at critical junctures to support the Help Desk. In addition, one part-time person was hired fulltime for two months to support the second cruise during summer 2009.*

*ITPAC's Web Subcommittee developed a proposal for redesigning Cal Maritime's web presence by utilizing an outside design firm and hiring a part-time person to provide ongoing web and portal support.*

*Note: Areas in IT needing additional support as identified by the VPAF include academic computing, institutional research and the web.*

1. Provide quality, anytime, anywhere computing support (e.g. Help Desk, online assistance) to students, faculty, and staff - along with guidelines for levels of support

Report: *As a first step towards providing anytime/anywhere computing support, the IT Department implemented the Altiris Help Desk module. On-campus users can log incidents and check the status of their requests via a web browser. A link is provided on the Help Desk page in the IT website as well as a "quick launch" icon for single signon on the portal landing page to request assistance or track progress of request(s). A confirmation message containing an incident tracking number is automatically generated and sent to the user confirming receipt of his/her request.*

*A knowledge base within the Altiris Help Desk system has been populated with some information to help end-users resolve issues without the assistance of Help Desk staff.*

*Cal Maritime acquired a Password Management solution from the Ensim Corporation. This solution will permit end-users who are locked out of their account (Windows and email) to change their password remotely by using a web browser without the assistance of the Help Desk staff. While it will be a welcomed service for the campus community, it will also help reduce the Help Desk staff's work load. The solution was put into production near the end of August, 2009.*

2. Empower our community through consistent training opportunities that appeal to a variety of learning styles

Report: *Cal Maritime partnered with the Microsoft IT Academy Program, giving the campus access to a comprehensive suite of IT educational materials and online courses designed to foster computer literacy, professional development, and community outreach. As an initial phase of implementation on campus, the IT Helpdesk staff pursued advanced Microsoft software certifications. Cal Maritime extended benefits of its partnership with the Microsoft IT Academy Program to the Global Center for Success, a charitable organization located at Mare Island. Through this program, the Center is providing computer training and technology education to its clientele consisting of homeless people and those in transition. The Center began offering the training in mid January after meetings with Cal Maritime representatives.*

*Invitations to participate in the online CSU Information Security Awareness Training were sent on April 13, 2009 to 374 Cal Maritime faculty, staff and student workers who have access to PeopleSoft. Course progress statistics generated 8/25/09 indicates that 151 individuals have completed the course, another 196 people started the course but have not finished, and 171 have not yet participated.*

2. Create systematic ways of informing faculty of new instructional technologies and encouraging them to adopt those that promise to enhance and improve student learning

Report: *The ITPAC chartered the Instructional Technology subcommittee, which includes seven faculty members, the Director of Faculty Development and the IT Academic Technologist. The committee dealt with the transition from WebCT to Moodle which resulted in significant resource savings and brought the campus LMS into compliance with CSU's ATI initiative. The committee will turn its attention to an ePortfolio and other applications of technology for teaching and learning.*

2. Develop effective methods to discuss and deploy advanced, useful functionality of administrative systems (e.g. PeopleSoft) - including the integration of systems

Report: *The ITPAC is finalizing a process for new IT projects which includes a form and a statement of work. In the meantime, the IT Department worked with the University Budget Officer to create a process whereby managers can obtain departmental budget reports online and on demand, saving paper/toner costs and personnel time. Also,*

*PeopleSoft was integrated into the portal to provide students with custom views of personal information, including grades, class schedules, finances, etc.*

2. Create a process to coordinate all software and hardware purchases that is efficient and economical

Report: *The ITPAC drafted a Campus-wide Computer Refresh Policy and proposed it to the VPAF. In response to questions from the VPAF, the committee is now preparing an inventory of all desktop and laptop computers on campus to complete the proposal.*

2. Ensure that new application roll-out's in the future be planned and implemented with accompanying training and support

Report: *As part of the process for requesting new IT projects, training and support will be included in the statement of work developed by IT.*

3. Explore and take necessary steps for dealing with the cost of providing support and maintenance for campus enterprise organizations (e.g. SPEL, housing, foodservice)

**Strategic Direction: Achieve advanced levels of *PRESENTING AND ORGANIZING INFORMATION* to increase satisfaction and productivity**

Rationale

Finding, presenting, and logically organizing information are key features of computing technology. Quick and ready access to information is highly prized by internal and external constituencies of Cal Maritime. Prospective students and parents are positively influenced by appealing and useful information systems. Students, faculty, and staff are eager to adapt systems that promise efficiencies and increased productivity.

Goals (prioritized)

1. Redesign the campus web presence in a user-friendly way with the most useful technologies available

Report: *The Web Task Force, a subcommittee of ITPAC, developed a report which includes recommendations for updating Cal Maritime's website and portal. It will be presented to the ITPAC in August before it goes to the VPAF.*

*During August, 2009, the campus portal hosted by CampusEAI was upgraded and now includes a Content Management System (CMS) that can be used for both the public facing website and the portal. It is anticipated that this new CMS will replace Contribute and Dreamweaver as web publishing tools.*

1. Create and implement a policy for regularly updating and managing web content

Report: *A draft web policy has been developed. However, the question of who manages and insures updating of content is pending the work of the ITPAC Web Committee.*

1. Pursue implementation of portal technologies that incorporate a content management system, single sign-on, an identity management system, and others that would at once integrate with our publicly available web presence and create a useful intranet

Report: *As result of a grant awarded to Cal Maritime last year, the IT Department has been collaborating with CampusEAI consortium staff and its member organizations to develop single sign-on for access to all authorized resources (such as PeopleSoft and Moodle), improve communications and foster a greater sense of community. As part of this effort, a VPN connection was established between the CampusEAI headquarters in Cleveland, Ohio and Cal Maritime to support access to PeopleSoft components.*

*CampusEAI is hosting our portal servers in Cleveland, Ohio, which permitted the consortium to perform most of the implementation work on our behalf. The campus has now completed phase 1 of the implementation of the CampusEAI portal solution with basic out-of-the-box functionality described in the CampusEAI agreement. In August, 2009, the portal was upgraded to version 6.2. The first planned use of the portal will be to support communication and collaboration within the Companies and Divisions this fall semester. ASCMA and Housing will also apply the portal technology to help meet their needs. The portal is also being considered for conducting student elections.*

*The campus also plans to migrate material from the external facing website into the portal to form an intranet over the next couple of years.*

1. Develop an emergency notification system that provides reliable and vital information in the event of a campus need for immediate action, assistance, or relief

Report: *The IT Department assisted in the implementation of Blackboard's Connect-Ed emergency notification system, which the Public Safety Department obtained through a grant. Several successful tests have been conducted.*

2. Develop systems to facilitate campus business practices by accomplishing workflow efficiencies and facilitating sound decisions; where appropriate, implement paperless transactions, document imaging and management, data warehousing

Report: *Although no formal committee has been formed, the IT Department has investigated several document and management vendors, including Ray Morgan Company, InfoGate Solutions (InfoRouter), and Electronic Data Imaging Enterprise.*

2. Continue progress on the CSU Accessible Technology Initiative (ATI) which will ensure our information technology systems can be used by people with disabilities

Report: *Cal Maritime's ATI Oversight Committee convened several times. Members of this committee also met with the Curriculum subcommittee and the Faculty Senate to discuss issues pertaining to instructional materials. The committee presented workshops on how to make Word and PowerPoint documents more accessible. A template for faculty to download and use as a template for syllabi is available on Cal Maritime's ATI website as well as reports of this past year's accomplishments in Web accessibility, instructional materials and procurement. The URL for Cal Maritime's ATI website is [www.csum.edu/ITinfo/ATI](http://www.csum.edu/ITinfo/ATI). The campus is currently seeking assistance from SJSU to run HiSoftware scans against our campus web server on a weekly basis.*

3. Adhere to the PeopleSoft "roadmap" pursuing efficiencies wherever possible including enterprise resource planning (ERP) and integration with other information systems

Report: *PeopleSoft Finance 9.0 went live on February 23, 2009. Unlike the HCM upgrade of last year which impacted faculty, staff and students, this upgrade directly impacted fewer people—and most of them are members of the upgrade team who performed testing. The Finance upgrade enabled users to submit purchase requisitions online and view information about purchase orders, vendors and payments. As a separate project, the HR self-service will allow people to view their demographic information including days of vacation available, health benefits, current address, etc. At the start of the year, Rajkumar Duraisamy joined the IT staff filling one of two vacant programmer analyst positions.*

**Strategic Direction: Accomplish substantial enhancements to the information technology *INFRASTRUCTURE AND FACILITIES* to meet and lead expectations**

Rationale

Computing hardware and software underlay a great deal of our daily work and activity. Over the past several years, there has been a heavy investment of system-wide and campus funding to this information technology infrastructure and Cal Maritime has enjoyed significant computer functionality. In order to realize continued achievement in the development and use of information technology, we must stay abreast of the advances in our infrastructure and facilities and continue thoughtful and efficient upgrades.

Report: *For six months, the IT Department and AT&T (contracted by the Chancellor's Office) planned the replacement of all eighteen network switches on campus. These devices were at their end of life. As part of this CSU four-year refresh cycle (ITRP-2), AT&T field engineers replaced the switches and performed work on the core switches in the*

*Data Center on January 7, 8 and 9. Work commenced again during the Spring Break in February 2009 to complete the replacement of the switches. Data jacks on campus that were not active during sampling periods over a six month period were also deactivated. This action was necessary to comply with CSU ITRP-2 and security requirements.*

*Another significant project involves the protection of information on servers by creating a server farm firewall with servers grouped into security zones behind this firewall. Two new firewalls have been procured as part of this CSU ITRP-2 initiative and a network redesign is currently ongoing. These servers are in addition to the new campus border firewalls.*

*BT-INS consulting services were retained to stabilize Active Directory and DNS services. This work helped to insure availability of network services and prepares the way for consolidation of the ACADEMIC and MARITIME domains and possible migration to Exchange 2007.*

#### Goals (prioritized)

1. Develop and adopt a refresh policy for all campus owned computers

*Report: A campus-wide refresh policy was drafted and presented to the VPFA by the ITPAC. Subsequently, the committee was charged with creating an accurate inventory that could be used to determine which machines need to be replaced and whether they could be rolled down. During the summer of 2009, the Accounting Department conducted a physical inventory of all computers on campus. This inventory will be merged with inventory data obtained electronically for determining which machines can be rolled down.*

1. Supplement and enhance the online learning (e.g. WebCT), and simulation environments including the investigation of alternatives to our current systems

*Report: A change was required in our learning management system as a result of ADA compliance requirements as communicated in the Chancellor's Executive Order 926. After an initial vetting of alternative learning management systems by the Chancellor's Office and our IT department, Moodle was brought forth as a replacement for WebCT (version 4) here at Cal Maritime. The Instructional Technology subcommittee of the Information Technology Planning & Advisory Committee (ITPAC) held presentations, discussion sessions, and received departmental feedback. After finding no significant drawbacks, the subcommittee recommended Moodle to replace Cal Maritime's out of date WebCT learning management system. Faculty Moodle training took place in early May 2009, with additional training scheduled this fall. WebCT remained accessible until 6/30/09.*

1. Maximize the deployment of secure, authenticated wireless access points (according to the CSU ITRP-2 initiative) to achieve 100% on campus coverage

Report: *As part of the ITRP-2 CSU initiative, two Aruba Wireless Controllers were rack-mounted and security configurations applied. IT began wiring several buildings for deployment of the wireless access points (antennas) this summer. Unfortunately, given the current budget environment, CSU has postponed the campus's acquisition of 112 APs for at least a year. This negatively impacted the decision by the ITPAC subcommittee regarding student laptops. However, Auxiliary Services purchased one Aruba controller and APs to provide wireless access in the new residence hall which will be open this fall.*

*Enterasys switches were deployed for the new residence hall. These switches will prevent students from using routers (which has previously required hours of staff time to track down) and are significantly less expensive than alternatives we were considering.*

1. Continue to build out the Training Ship Golden Bear's network and satellite communications with an eye towards instructional uses and anytime, anywhere access for all on-board

Report: *This goal was originally considered a priority. However, because of the state's budget crisis, the project is lesser of a priority at this time.*

1. Redesign and update the current computer labs and distance learning center while simultaneously investigating ways to lessen the load on lab computers (e.g. enabling students to use their personally-owned computers to run software required in courses)

Report: *The Laptop Committee, a subcommittee of ITPAC, investigated several technologies related to reducing the load on lab computers. In addition to testing an nComputing solution, the campus worked with Kovarus, located in South San Francisco, to develop a proof of concept for the virtualization desktops. This had the potential of eliminating the need for students/faculty to go to a specific lab, to be in a lab at a specific time, reduce the campus's carbon footprint, and enable faculty to gain teaching time by not having to reserve specific lab time. The proof of concept failed to handle the graphic intensive, three-dimensional graphics required by high-end engineering applications, however. An ITAC synergy and collaboration team, the VCL team, is now exploring virtualization of desktops based on the models at North Carolina and George Mason University. The campus's CIO is a member of the VCL team.*

*In August of 2009, computers were upgraded in the C-Lab in Classroom Building Room 105 and the NE Lab located in Laboratory Building 101. New images were created and deployed to these PCs using the Altiris imaging deployment system.*

2. Develop a roadmap for the deployment and use of e-card (e.g. OneCard, PortPass, etc.) technologies

Report: *This goal was not originally considered a priority. However, the campus has recently run into issues again regarding the OneCard/PortPass—for example, three different keyless systems are now writing to two tracks on the ID cards. Unfortunately, we were not able to make everything a priority.*

2. Begin migrating and employing Voice over IP (VoIP) to phase out the current campus telephone system (PBX – Private Business Exchange); expand campus benefits of VoIP (e.g. unified messaging)

Report: *Cal Maritime's new VoIP system went live in June, 2008 with fifty-seven VoIP phones with displays installed in the Simulation Center. With built-in capacity to service 450 phones, the new system has plenty of growth potential. During the 2008-09 academic year, however, no future extension of the system to other buildings was done. However, a desk to cellular program was tested with non-VoIP phones. It was decided that this application was too cumbersome to use unless VoIP phones were used in conjunction with it.*

3. Create a policy for refreshing printers, copiers, and other selected digital equipment

Report: *The Purchasing Department consolidated most printers and photocopiers on campus under one maintenance contract. In addition, The Cost Allocation Committee undertook a project to track utilization of printers and copiers, cut waste and to eventually allow charge back for printing and copying. Students will be able to swipe their ID cards on any of five printer release stations located in the two computer labs and Library to release documents for printing. Elsewhere on campus, use of the multipurpose copiers/scanner/printer stations will require users to enter their departmental PIN numbers to obtain copies.*

2. Develop environmental policies and practices for information technology that reduce power consumption and mitigate e-waste (used computers, printers, toner, etc.)

Report: *The campus has looked into the management of power used by PCs to reduce the carbon footprint of the University. IT is giving this goal higher priority in light of the State's budget crisis and may conduct a proof of concept in September, 2009.*

3. Phase-in virtualization of the existing servers in the Data Center and/or relocate the facility to a new site on campus

Report: *The IT Department felt that from an operational standpoint that this goal needed to be made a priority. Virtualization of servers in the Data Center began on Tuesday, January 20 using VMware and the ESX Center. Approximately twenty servers (representing 66% of the current server farm) will be replaced by three new ones. Many of the outgoing servers were already in need of replacement and some were running without maintenance coverage. A couple of the newer ones will be used*

*to replace the obsolete servers onboard the TSGB. Virtualization will result in power, space, air conditioning and equipment maintenance contract cost reductions (the campus has applied for PG&E's incentive program rebate). Virtualization will also provide high availability and load balancing for networked services and reduce scheduled maintenance time (thus reducing staff overtime). Future deployment of new servers in a virtual environment will be accomplished in minutes instead of days or weeks. Virtualization also opens the door for planning and implementing a viable and effective business continuity solution in the future as well as desktop virtualization for PCs. It is also worth noting other Data Center changes that have occurred over the past couple of years. The servers are now protected by a 20 Kilowatt uninterruptible power supply capable of keeping them running in the event of a power loss—either until the generator kicks in or for half an hour. In addition, the University's and CSU's investments in technology are protected by a fire suppression system and environmental monitoring equipment. We've also improved the environmental working conditions for the Data Center/Help Desk staff. In addition, a walk-in Help Desk service area was added last year.*

**Strategic Direction: Refine *INFORMATION TECHNOLOGY SECURITY* that reliably preserves and protects assets, information, and systems functionality**

Rationale

Cal Maritime must be committed to protecting the confidentiality, integrity, and availability of its information systems, network resources and data. The CSU is currently developing a systemwide security policy to provide management direction and support for information security in accordance with university requirements and relevant laws and regulations. Our involvement in the CSU plan while also attending to needs specific to Cal Maritime is critical to avoiding digital disasters.

Goals (prioritized)

1. Create and implement policies and procedures that counteract IT interruptions to business activities and protect critical business processes from the effects of major failures of information systems or disasters and ensure their timely resumption

Report: *CSU campuses vetted three documents pertaining to IT information security; CSU Systemwide Information Security Standards, CSU Systemwide Information Security Policy, and the Responsible Use Policy. These new security documents will replace many of Cal Maritime's current policies including Computer Crimes (Policy 203.7), Information Systems Security Statement (Policy 2089, Rev 2/17/00), Access to Computer Resources (Policy 208.1, Rev 2/15/00), Information Technology Responsible Use, and Information Systems Security Statement (Policy 208.16, 1997). As of this writing, other policies are being written which pertain to information security, which include Malicious Software Protection Policy, Physical Security, and a Password Policy that will be vetted by IT and ITPAC.*

*Email is a primary conduit for malware to infect desktop and laptop computers. To enhance email security and conserve resources, Cal Maritime began testing Red Condor's spam appliance in August 2009. In addition, the migration to a new Exchange email server consisting of a front-end and backend solution went smoothly last November. This enabled the use of Mobile calendar, resolved issues with faculty and staff member's iPhones, VPN capabilities for users and more e-mail storage space. Student email quotas were increased as a result of the larger storage capabilities of the new server.*

*The IT Department purchased Kaspersky antivirus and developed scripts to remotely manage the migration from Symantec to Kaspersky on all University-owned computers. Kaspersky is less intrusive on performance and disk space. It is available to faculty, students and students at the Help Desk.*

*The IT staff and others on campus began using a Juniper virtual private network appliance (VPN) that provides secure, encrypted access to the campus network from off campus without installation of software on their computers. Using the VPN, they are able to access their Z: drive or launch terminal sessions to run software installed on their office PCs. Sufficient licenses were obtained to provide faculty and staff with access. Documentation and training were developed.*

*During the 2008-09 year, the Data Center server room temperature exceeded acceptable levels on a number of occasions. With the assistance of Facilities, redundant systems were developed and return circulation of air was redirected to the air conditioning coils. IT developed a detailed policy outlining steps to shutdown servers in priority order when certain temperatures are reached in the server room.*

1. Write procedures into the procurement and deployment of information technology that ensure that security is an integral part of all campus information systems; that access to university resources is managed effectively; and that ensure accurate and secure operations of the systems and applications

*Report: The campus purchased Rapid7 NetXpose to scan desktop computers and servers for patch level compliance. The package also includes quarterly PCI scans for credit card industry security compliance.*

*In addition, IT has begun to address security concerns reported by BT-INS as a result of a recent consulting engagement to stabilize Cal Maritime's Active Directory.*

2. Train the campus community to communicate information security events to allow timely corrective action to be taken; to ensure that employees, contractors and third party users understand their responsibilities; to achieve and maintain appropriate protection of organizational assets

*Report: As previously noted above, invitations to participate in the online CSU Information Security Awareness Training were sent on April 13, 2009 to 374 Cal Maritime faculty, staff and student workers who have access to PeopleSoft. Course progress statistics generated 8/25/09 indicates that 151 individuals have completed the course, another 196 people started the course but have not finished, and 171 have not yet participated.*

2. Develop procedures and employ additional ways (technologies, etc.) to prevent unauthorized physical access, damage, and interference to campus premises and information resources

*Report: The Data Center's server room was rekeyed differently than the hallway door and the new IT staging room door (Simulation Center) has both a deadbolt and plate. New CPU hanging cages for the labs were installed in the labs as a theft deterrent. Existing security alarm systems are also being activated.*

**Strategic Direction: Enable a *CONTINUOUS CYCLE OF IMPROVEMENT* for campus information technology to meet current and future requirements**

Rationale

Knowing the positive or negative effects of the strategies and goals outlined in this plan require regular assessment, analysis, and refinement. Done properly, a continuous improvement process will identify problems and opportunities and thus help ensure that they are addressed.

Goals (prioritized)

1. Create and implement an assessment plan to measure the progress of the IT Strategic Plan and to ensure that we are making significant achievement in realizing the vision of information technology at Cal Maritime

*Report: The IT Department participated in the CSU Quality Improvement survey during the 2008-2009 academic year.*

1. Perpetually monitor and evaluate new technologies appropriate for Cal Maritime

*Report: This is an ongoing process and occurred at many levels. A recent example is the comparison of desktop virtualization technologies, document management systems and power management systems. As a result of such processes, a password reset system was implemented to allow users to reset their password without intervention of IT staff.*

2. Regularly generate annual reports based on the IT Strategic Plan and the accompanying assessment plan

*Report: This report (this document) was produced in August 2009.*

2. Update the IT Strategic Plan according to the results of assessments, an analysis of annual reports, and evaluations of new technologies

## **Implementation**

A concerted and collaborative effort will be required to implement the Cal Maritime IT Strategic Plan and to achieve the vision for information technology at Cal Maritime. A partnership among the IT Department, the CIO, and the IT Planning & Advisory Committee will be crucial to establishing a firm foundation upon which to launch and sustain the plan. The following roles have been identified in accomplishing the plan.

### **IT Department**

- Develop and implement project plans for their respective activities; identify all resources required to achieve the plan
- Convene regularly to ensure alignment, monitor progress on milestones and evaluate results
- Coordinate and report on work activities
- Provide regular communication and status updates on strategy implementation, providing the CIO with measures that will be presented regularly to the IT Planning & Advisory Committee

### **Chief Information Officer**

- Provides administrative support for the accomplishment of the IT Strategic Plan (templates for planning, status and annual reporting)
- Supports the execution of the plan by aligning resources with objectives
- Convene IT department personnel and individuals related to IT projects on a regular basis to implement strategic directions and goals, identify and remove obstacles to success and report on progress
- Lead effort in defining, planning, implementing and measuring the goals of the plan and ensuring that they are doable and appropriately support the strategic directions
- Ensures communication to the campus and the interface for the IT Strategic Plan with executive leadership
- Identify and secure human, technical and financial resources required to accomplish the plans strategic directions, goals and vision
- Monitor plan activities, collect data, and report regularly to the IT Planning & Advisory Committee

### **IT Planning & Advisory Committee**

- Coordinates broad campus involvement in the development and annual updating of the IT Strategic Plan
- Ensures positive, proactive communication regarding the plan particularly as is required to achieve the vision for information technology at Cal Maritime

### **Executive Leadership**

- Endorses the IT Strategic Plan
- Supports the execution of the plan by aligning resources with objectives

The 2007-2008 IT Planning & Advisory Committee developed this strategic plan:

- *Josie Alexander, Student Services*
- *Margo Axsom, Information Technology*

- *Kyle Chernoff, Student*
- *Jannette Corpus, Information Technology*
- *Steve Frazier, Information Technology*
- *Steve Kreta, Academic Affairs*
- *Steve Mastro, Budget*
- *Tamara McLane, Human Resources*
- *Marc McGee, Admissions*
- *Carl Phillips (Chair), Library*
- *Scott Saarheim, Faculty*
- *Ken Toet, Accounting*
- *Ken Walsh, Financial Aid*
- *Bob Wright, Faculty*