Contact: Nina Hundley, 2-6946, ninahundley@berkeley.edu

Overview: Since 2004, IST Business Resumption has coordinated the effort to create and successfully test a recovery plan for the Central Campus mainframe and critical applications, Payroll, Accounts Receivable (CARS), the Office of the Registrar (student registration, student records and classroom scheduling) and the Financial Aid Office (including nightly updates, CARS interfaces, loan and processing transactions). In 2007, IST will test for the first time Unix systems, BearFacts (Web-based Student Transcripts) and Cashier Deposit Systems (CDS) that interface with the mainframe, using the disaster recovery CalNet structure at UCLA to test application access from our hot site in Boulder to UCLA.

Since 2004, IBM has contracted with IST a “hot site” in Boulder, Colorado. Currently, the hot site only supports the Central Campus mainframe (this does not include PeopleSoft) at a yearly cost of approximately $80,000. The cost will increase when equipment to support BFS and HRMS and other non-mainframe applications are added. The cost for using an outside vendor such as IBM really hits when a disaster is declared. If a disaster was declared today, and the Hearst Data Center became unavailable, it would cost $7500 per day to use IBM’s hot site. The hot site with IBM only allows us use for six weeks. If we used the IBM Center for the entire six week timeframe, the cost would be $315,000.

The six week limitation is also a negative factor. This means that when there is a major disaster, if the Hearst Data Center is unavailable for more than six weeks, we would have to find an additional off-site location. This would likely be at one of the UCs, and would add further, unknown, cost. Finally, our arrangement with IBM is one of many that they have with organizations in this area. The hot site is first come first serve; if it was a large regional disaster with many organizations impacted, there is no guarantee UCB would even get a spot at the hot site with IBM.

Because the contract with IBM is restrictive and costly and because the limitations are so severe; the future direction of IST Business Resumption is to invest in a partnership with a Southern California UC campus. Recently IST has been in negotiations with UCLA in committing to this partnership after witnessing the successful partnership between UCOP and UCSD. While the initial cost for this partnership is substantial, due to the need to purchase matching hardware to locate at UCLA, the costs of operating this hot site following a disaster will be much smaller, and additionally, less risky and more flexible. The timing for this is right, as we now are expanding our efforts beyond the mainframe systems, and will need to make substantial investments either with our current IBM partnership or with UCLA.

Planning strategically now will mitigate the effect of any disaster in the future. Generally, an interruption longer than 30 days will likely force the cancellation of the semester. One lost semester will compromise our viability as a premier institution of higher learning. For example, Tulane University closed for a semester after the Katrina disaster; they lost faculty, students, staff and athletes to other institutions. Even though Tulane reopened in January 2006, it suffered the closure of
departments, research labs, academic programs and the related layoff of faculty and staff.

1. Alignment with IT Strategic Plan

Business Resumption funding supports
Critical Issue I Teaching, Learning: 4: Information access and usability
Critical Issue III Research: 1: Basic IT resources, 2: Technical support
Critical Issue IV Security, Reliability, Access:
Reliability 1: Reliable, centralized backup service, 2: Reliable funding, 3:
Reliable, physical network infrastructure, 4: Reliable computing security, 5:
Reliable physical environment for information and services
Access 1: Ubiquitous access to appropriate IT infrastructure and services, 2:
Timely and integrated access to online information is impeded by missing or
inadequate middleware components, 3: Physical infrastructure

2. Impact

The entire campus would be affected in the case of a major disaster. Effective
business resumption planning will enable the campus to resume operations
within 30 days by continuing to pay our staff, continue our business processes,
and support our mission of teaching, research, and public service.

3. Risk assessment

Planning strategically now will mitigate the effect of any disaster in the future.
Generally, an interruption longer than 30 days will likely force the cancellation of
the semester. One lost semester will compromise our viability as a premier
institution of higher learning

4. Innovation

IST is a key partner in the campus business resumption upon which the campus
depends. Partnering with a Southern California campus such as UCLA for
reciprocal disaster recovery sites is a key strategic move.

For a University of Berkeley’s stature, not only nationally, but internationally, to
NOT prepare for a predicted disaster would open the University to criticism and
ridicule. This negative impact on reputation could also negatively affect faculty,
student and staff recruitment and retention, and our ability to continue to
compete for research, gift, and/or endowment funding.

5. Funding model

The Business Resumption Manager position should be permanently funded.

In order to expedite plan development and deployment covering the additional
critical systems that have been identified, (BFS, HRMS, CALMAIL, etc...),
additional FTE and support costs will be needed to accomplish this initiative.

The costs included represent target salary amounts for the additional FTE based
on current market trends and recent hiring, established baseline support costs,
and quotes from the hot site vendor for the upgraded hot site contract.
We are currently developing a partnership with the UCLA on peering agreements that would allow one campus to be another’s hot site, much like UCOP and UCSD recently accomplished.

We have therefore made provisions in the FY08 one time budget request for funding to develop the infrastructure and communications capability with UCLA and terminate our ongoing external hot site costs.
<table>
<thead>
<tr>
<th>Summary of Funding Model: IST: Business Resumption</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Summary of Funding</strong> vs other</td>
</tr>
<tr>
<td>Campus funding sources</td>
</tr>
<tr>
<td>Temporary/development</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Permanent/on-going</td>
</tr>
<tr>
<td><strong>Total campus funding sources</strong></td>
</tr>
<tr>
<td>Other funding sources</td>
</tr>
<tr>
<td>Temporary/development</td>
</tr>
<tr>
<td>Permanent/on-going</td>
</tr>
<tr>
<td><strong>Total other funding sources</strong></td>
</tr>
<tr>
<td><strong>TOTAL ALL FUNDING SOURCES</strong></td>
</tr>
</tbody>
</table>

**Note:** In accordance with the University's accounting system, positive numbers are expenses or deficits, while negative numbers are funding or surpluses.