

BERKELEY LAB JOG REPORT

January 30, 2001

PeopleSoft Grants System:

We are working to replace our Sponsored Project and Proposal Tracking (SPPT) system, written in-house in 1985 using what is now obsolete Focus / IBM mainframe technology. That system is 15 years old and no longer well aligned with current LBNL business requirements.

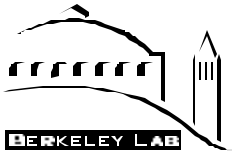
After the PeopleSoft FMS implementation project was completed in 1997, a new effort was begun to identify a path forward for SPPT. A Laboratory-wide committee was formed to identify functional requirements for a SPPT replacement system and examine commercially available systems and systems in use at other institutions. After several months, this group produced a "Process Map", outlining all of the desired functionality, and also examined numerous systems in use at places such as LLNL, UC Berkeley, Sandia, Argonne, Oak Ridge, etc., and found no systems judged suitable for use at LBNL.

In May, 2000 the Process Map was updated and used as a requirements document for conducting a fit-gap analysis comparing LBNL's requirements with the advertised content of the PeopleSoft Grants system. The result of this analysis was the unanimous consensus of the Laboratory-wide review group that acquiring and implementing the Grants product is our best path forward. The most significant factor driving this decision is the integration between PeopleSoft Grants and our other PeopleSoft financial applications, including Projects, General Ledger, and Billing. We have acquired the Grants system and are now implementing it initially to replace the functionality of the legacy SPPT system. Following that, end-user functionality will be added to enable direct user input which will hopefully alleviate the need for numerous local tracking systems which are currently in use throughout the Lab.

So far, we are finding a very nice degree of fit with the Lab's business. One issue we do have, and it is not trivial, is that because we have commercial HR, there is no delivered interface to Grants. That requires E&G HR. We've gotten PeopleSoft to send the outbound HR EDI transaction mappings, process definitions, and menu items.

Budget and Funding Systems:

The newly implemented budget formulation system was developed in-house after extensive evaluation of packaged systems resulted in the conclusion that none of these commercial systems did an adequate job in satisfying the Lab's complex cost allocation processes. The new system (Janus) has proven to be quite intuitive to use and is receiving high marks from users.



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The next major development in this area is the development of a Funding System to track available funding for all overhead and scientific projects. This function is especially critical for the

Laboratory's Work for Others which accounts for about 20% of the Lab's total work. Preliminary specifications have been developed for this new system and it has been decided to do the development using PeopleTools owing to the extensive integration of funding information with our other PeopleSoft systems.

Procurement and Accounts Payable Systems:

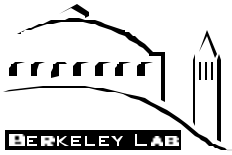
The decision has been made to replace our Oracle Purchasing System with the PeopleSoft Purchasing System. Although we have heard a number of negative comments about the PeopleSoft Purchasing System, we are in the position of either implementing it or performing an extensive upgrade to the Oracle Purchasing application (this has proven to be quite difficult and expensive in past upgrades). At the same time, we will replace our last major legacy IBM system with the PeopleSoft A/P system. This will provide needed integration between the purchasing and accounts payable functions. Price Waterhouse Coopers is being engaged to help define reengineered business processes before starting the implementation of these new systems.

Along with our Procurement Department and an outside consultant we conducted an extensive review of eProcurement systems which we believe have the capability to handle the majority of the Lab's purchases. The conclusion of this review is that Ariba is the leader in terms of capability at this time. The other major player (Commerce One) has close ties with PeopleSoft and seems to be the model for PeopleSoft's new eProcurement system. However, the PeopleSoft implementation is in its early stages of development. It will be at least six months before we will be in a position to consider implementing either one of these systems, so we will reevaluate PeopleSoft/Commerce One in comparison to Ariba at that time.

Employee Time Entry:

The employee time entry system (LETS) has been converted from Oracle Forms 3.0 to Forms 6.0 to be able to take advantage of Web enabling capabilities. Oracle Forms 6.0 can be generated into Java code, which provides for interactive editing of information simulating a client/server implementation. It can be executed on the PC in client/server mode or it can be translated to Java code that can run on the Web. It is dependent on a Java Virtual Machine which is provided via J-initiator (for PC's) or MRJ (for Macintosh). WEBLETS functions available for initial implementation are direct time entry by employees and the time approval process.

Travel System:



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Last year we suspended the implementation of the Extensity Travel system owing both to the considerable technical problems we encountered with this system and the lack of internal sponsor leadership. Since that time the Lab's Travel Office has been reorganized under a new head and progress has been made in developing consensus on the system requirements. A number of alternative systems are now being considered, including Gelco, Concur, Captura, and PeopleSoft. A decision about which of these systems should be implemented should be made within the next several months. In the meantime we are doing our best to hold together the legacy travel systems which are quite outdated and inadequate.

Billing and Accounts Receivable:

Since 1982, LBNL's billing and accounts receivable functions have been handled by a batch COBOL system on the IBM mainframe called "Work For Others", with the assistance of a dBase III cash application system called "INVPAY". Although these systems were still running satisfactorily, they were poorly understood, increasingly difficult to maintain, and based on dangerously outdated technology. Early in 1999 we made the decision to replace these systems with the PeopleSoft Billing and A/R Systems.

These new systems went into production in June of last year and have been operating successfully since then. We were thus able to phase out our legacy Work For Others and INVPAY systems, and have further reduced our remaining mainframe portfolio. The new PeopleSoft Billing and Accounts Receivable systems are state-of-the-art, client-server systems based on PeopleSoft technology and hosted in our strategic Oracle / Unix environment. These applications are now integrated with our PeopleSoft General Ledger and Projects systems, and their implementation sets the stage for the pending implementation of PeopleSoft Grants. In addition, our Finance and end-user communities now benefit from greatly improved access to information via PeopleSoft's modern query tools, which have replaced the old mainframe system's paper reports.