

INFORMATION SYSTEMS & SERVICES

BERKELEY LAB JOG REPORT

January 16, 2002

Procurement, Receiving, and Payables (PRP):

We are moving forward with the replacement of our Oracle Purchasing System and our legacy IBM Accounts Payable System with corresponding PeopleSoft applications. A new user project manager was named in November.

In the coming few months we plan to complete the detailed specifications, which will enable us to complete the required programming and unit testing. Integrated system testing is planned for April, user training in May, and the system is planned to go live in June 2002.

The applications to be implemented are the PeopleSoft version 7.5 E&G Purchasing and Payables modules, and the PeopleSoft version 8 eProcurement module. The eProcurement module will serve as a web-based front-end for handling requisitions and purchase orders, and the 7.5 Purchasing and Payables modules will dispatch the purchase orders, handle the receiving function, and process vendor payments. These systems will be interfaced via the PeopleSoft Backbone Interlink.

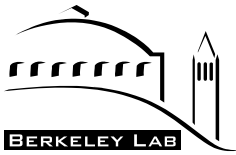
PeopleSoft Grants:

We are moving forward more slowly on implementing the PeopleSoft Grants Management (7.5 E&G) system. Since September, efforts have focused primarily on modeling the delivered system in a conference room pilot environment for the purpose of defining configurations, customizations, and extensions. In addition, we have completed the design of the DOE contract modification process, a bolt-on subsystem necessary for managing the Laboratory's budget authorizations for sponsored research projects. A new user project manager was named in November. The project plan and schedule are currently being developed.

When implemented, the Grants system will replace our Sponsored Project and the lab's Proposal Tracking (SPPT) system, written in-house in 1985, using now obsolete Focus/IBM mainframe technology.

Gelco Travel Manager:

In September we completed our RFP process for the selection of a new Travel Expense system, resulting in the acquisition of the Gelco Travel Manager (version 8), a web-based system for capturing, routing, and reporting travel authorization and expense report information. We have installed the system, and our core team members have attended training on the administration and operation of the product. We are currently



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defining requirements for interfaces, approval routings, and customizations to be provided by the vendor. After the vendor develops and delivers these items, we will conduct a series of structured tests, followed by a pilot rollout of the system to a limited user group in the April time frame. A full production rollout is planned for June.

The Gelco Travel Manager system will replace our legacy travel systems, which were written in-house in the early 1980's. Last year we abandoned our efforts to replace these systems with the Extensity system owing to numerous problems with Extensity.

Human Resources Management System (HRMS):

We will start upgrading the Human Resources Management System to release 8 in February. Project planning is underway. This project is targeted to complete in the June/July timeframe. The web interface will make the user self-serve function much easier to use.

Oracle Development and Tuning Tools:

We are implementing the SQLab Vision application tuning product from Quest Software, Inc. It will address the issue of maintaining aging custom and purchased applications. SQLab Vision has a powerful Oracle tuning environment combined with a non-intrusive collection technology, impact analysis capabilities and expert tuning advice.

In addition, we are currently evaluating two additional Quest Software products. *TOAD* is a powerful, lightweight tool built around an advanced PL/SQL editor with a GUI object browser giving Oracle developers quick access to database objects and the ability to make SQL and PL/SQL editing and testing fast and effortless. *Foglight for PeopleSoft* monitors every layer in the technology stack affecting PeopleSoft application performance — database, network, application server, web server and middleware — alerting system managers to actual or potential application problems before end users are affected.

JSP Development:

The Technical Architecture Team identified that the two key software development trends currently surfacing are Sun/JSP/JAVA and Microsoft ASP/C#/ .NET environments. Both environments have merit and qualify to provide a high quality web product, but only the Sun solution supports the development of cross platform applications. Because ISS infrastructure is predominately based on the Unix platform, the Technical Architecture Team recommended that in 2002 ISS would further evaluate Java Server Pages (JSP) as the potential development environment of choice.