

Network Noise

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PANTEX- NEW CAIS

Bob Von Eschen

The week of 4 November will be the first inspector training toward a renewed CAS effort at Pantex. The class will train eight employees, including myself, in the CAS inspection methods, and current software. Pantex should be soon represented in the network proceedings.

HIGHLIGHTS OF THE OCTOBER 2002 CAIS USERS MEETING

Ken Baker

ATTENDEES – Representatives from, ETPP, LANL, NTS, ORNL, Paducah, Pantex, Portsmouth, WIPP, Y-12 were in attendance. Contractors participating were DynCorp, Parsons Brinckerhoff contractors for CAIS and LANL, and Bob Gair of RS Means.



CAS/CAIS STATUS – Ken Baker described the current status of the CAS/CAIS program. Thirteen sites are using the system with Pantex announcing that they will join the CAS family. Database CDs were

provided to SRS, SNL, ANL-W, and BNL for review and testing. Funding needs this year are over \$500k. Centralization, modernization, and project module development additions are being proposed. Their delivery will hinge on hiring another programmer to assist Ken Rowe in maintenance support, enhancements, QA and training program participation. All of the above enhancements hinge on the timeliness of the PSO funding amounts.

REAL PROPERTY ASSET MANAGEMENT – Ken Baker

provided a slide presentation, See Attachment on RPAM, on the status of the new order replacing LCAM. Ken described some background information on the order drivers; the major subjects of the order and team leaders; and the new concepts of the Ten Year Site Plan, Long Term Stewardship and two performance indexes. The focus of the slide presentation was to emphasize the impact of the order on the CAIS users. CAIS is mentioned three times in the order as an option to a national cost estimating system. The order ranks assets by high, medium, and low weightings to mission importance and implies a condition rating on all active assets (buildings, trailers, and structures). Calculating an FCI for OSFs could be problematic since the RPV of the OSF is difficult to estimate. A discussion of RPV and CPV

followed. Ken passed out a DOD unit costs crosswalk to FIMS usage codes. Only a small number of OSFs would be covered. The DOD unit costs would be treated like the FIMS RPV models with site factors, geo adjusters and the unit of measure taken into consideration. New OSF model costs were proposed from Portsmouth. Current Plant Value or present value alternatives to RPV were also discussed. Ken conclusion was to use both systems depending on the quality of the CPV data and the RPV unit cost available. Ken distributed a spreadsheet illustrating the calculation of CPV. SC is using/testing the CPV calculation methods. See attachment on CPV calculation for OSFs.

NEW MODELS – Bob Gair from RS Means presented an overview of their services to the CAIS program, e.g. unit costs support and the RPV model development through the FIMS contract. Bob mentioned the custom model developed for Thomas Jefferson Laboratory and the Kansas City Plant. Bob also described two new products related to “green buildings and ADA unit costs.” Ken joined Bob and passed out a crosswalk of model types to FIMS usage codes. Ken wants to develop models for the missing links mainly nuclear type assets on the spreadsheets. Volunteers from several sites will assist in providing this information. See attachment on FIMS Report #14.

CAIS CENTRALIZATION – Dennis McDermitt provided information about the advantages of centralizing

the CAIS database at DOE Headquarters. Advantages include elimination of the database administration burden for sites, elimination of site costs for Oracle licenses, reduced user support time, the potential to create a standard ad-hoc reports module, and the ability to link tables in CAIS and FIMS directly. Factors to consider are how to let sites keep custom information while limiting them to their own data and how to support sites that have customized web sites linked directly to CAIS. After an overview of the centralized architecture, Dennis discussed how the new system would be secured using firewalls, encryption, and Oracle Advanced Security protocols. Providing that the issues above can be adequately addressed, it was determined that all current users except LANL and LLNL support centralization.

CAIS MODERNIZATION – Dennis McDermitt described the Modernization module requested by LLNL/NNSA. CAIS will be able to flag and roll up modernization costs that are separate from deferred maintenance. Such costs include items related to ADA deficiencies, seismic modifications, code compliance issues, and “suitability.” It was determined that this enhancement is currently of primary interest to NNSA sites. DynCorp is going to explore adding the model spreadsheets and RS Mean’s assembly costs to CAIS. The models may permit the users to estimate code compliance assembly’s costs in the modernization module. A column would be added to the model cost

spreadsheet that calculates the ratio of model assembly cost to the total model cost. This ratio would determine the code compliance cost using the asset RPV.

PROJECT FORMULATION - Chuck Siegfried described the original CAIS project formulation module and its difficulties. Chuck needs feedback from the sites on what they want to capture in project formulation module. Can this be attained using some standard IU queries and a list of associated project cost adders? Sites should send their ideas or wants to Chuck for consolidation. CAIS deferred maintenance costs were never designed as a project cost. The addition of cost adders can provide a more realistic estimate but whether in-house, or A&E contractor labor forces complete the project can influence the cost estimate. G&A, profit, and adders related to contracting vehicles for the work may influence project costs. All ideas and suggestions are welcome.

QUALITY ASSURANCE

PROGRAM - OECM headquarters is sponsoring a QA program that will get underway at SLAC the week of November 18 at The Navy Public Works Center at Norfolk, VA. The purpose is to ensure sites are using industry standard inspection procedures and that site, CAIS, and Navy cost estimates are complete and accurate. The Navy will issue a report deliverable at the conclusion of the QA program. Three sites will be reviewed: SLAC, ANL-E and SRS. OECM is sponsoring the first three sites but NNSA and SC have expressed interest in continuing the

QA program at non-CAIS and CAIS sites.

ENHANCEMENTS DISCUSSION

Enhancements to CAIS were solicited, documented, and prioritized based on site input. The final list with all priorities and effort estimates will be made available on the web site in the near future. Dennis McDermitt will develop a release schedule for enhanced versions of CAIS and will distribute this schedule to users after Ken Baker approves it.

FUTURE TRAINING NEEDS

Training for 12 inspectors has been scheduled for November 5-7 at the Pantex Plant. Training at Y-12 has been requested but no dates have been selected. LANL has requested a train the trainer course but no schedule has been set for that course. The contractor's schedule for training is very tight at this time due to QA commitments and holiday vacation breaks. The contractors would love to return to Los Alamos however.

OPEN FORUM – This session was planned to allow current CAIS users the opportunity to give advice on how to start the condition assessment program at a new user of CAS/CAIS products. The session lasted almost two hours. Sharon Buell took copious notes and these will be posted to cas.hr.doe.gov as soon as they become available. Every site had many helpful hints for Pantex to follow.

MARKETING CAIS – The non-aggressive marketing approach

seems to be working. In over 14 months the number of CAIS users has jumped from 7 to 14. Peer pressure and the NNSA green carrot at the end of the stick may be working for some of these sites. SC users are few in number even with a suitability/rehab and improvement tool available in CAIS. A demo at LBNL is planned for November 21. Maybe the tortoise will win this race also.

MISCELLANEOUS – The Parsons Brinckerhoff assessment team under Oleh Skrypczuk gave an overview of their work for LANL. About a third of the total square footage has been inspected. They hope to finish next year. Some of the obstacles or speed bumps they have experienced are scheduling delays, special safety training needs, and Q clearance issues. Detailed reports have been written for each asset. Deferred maintenance estimates, ADA compliance needs, and future code and maintenance projections are covered. LANL appears to have solved their baseline condition assessment data gathering concerns!

Jane Nations suggested that the license with RS Means include copies of the RS Means Facilities Construction Book and their Assembly Cost Book for each site. The technical monitor will explore this acquisition with RS Means and modifying the license agreement.

Roger Brewer and Chip Walder have proposed some OSF models for development. These models will facilitate RPV calculations for these

OSFs. Ken will crosswalk these models with DOD models and ask RS Means if they can develop the remaining models.



Roger and Kitty Brewer

David Black of WIPP suggested the CAS home page contain a lessons learned or hot topics section. These meetings lessons learned discussion brings home the importance of this information for new and experienced sites. Adding it to the home page is a great idea.

It was good to see Ed McGary again and looking well. The white hair makes him look distinguished!

Gracias – To our fine host for having us visit them. Couldn't beat the location, climate, and refreshments and treatment for this meeting. Thanks go to Mac, Noah, Kyle, and Nancy for showing us Southwestern hospitality at its best.

See everyone in our usual Las Vegas haunts the 13- 15 of March 2003.

EAST TENNESSEE TECHNOLOGY PARK

Jane Nations, Inspection Coordinator

The Condition Assessment Survey Program at ETTP is continuing to inspect facilities on a three-year cycle. As a subcontractor to Bechtel Jacobs, the CAS team performs inspections on a selection of key ETTP facilities, and functions within the Facility Management, Surveillance, Inspection and Testing (FMSIT) organization scope of work. The ETTP site is undergoing several changes in focus and mission, and as a result, the inspections will be modified accordingly. The FMSIT program has already experienced a significant turnover in personnel, and the scope of work has been decreased. At present, the future of the CAS program at ETTP is uncertain, and it appears that the scope will be much less than is currently being performed.

It was a treat to be able to participate in the conference last month in Los Alamos, and was especially nice to see so many sites represented. The round robin discussion of implementation and growth of CAS at the various sites was especially informative. Hopefully, ETTP will continue to be a contributing member in future conferences.

FINAL NOTES

Terry Christie

I was really glad to see so many people turn up at the Santa Fe meeting. I think the meeting was very productive and it looks like we have some new sites coming on

board with CAIS. Ken Baker expressed to us that his retirement is forthcoming but we voted against this so we are still keeping hope that he will not be leaving us any time soon. We are very happy and impressed with the good work that Ken Rowe and Dennis McDermitt have done with our system. They have really made it a very user friendly system that anyone can use.

The latest word is that there will be more training at Pantex and possibly one at Oak Ridge Y-12 after the first of the year. Anyone who needs additional training please let us know and we will make sure you get scheduled for a class.

I hope everyone has a happy Thanksgiving (don't eat too much turkey) and a happy holiday season. Please take care of yourselves and we look forward to seeing everyone in March 2003.



Does anyone recognize this robed man?