

Network Noise

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Terry Christie, Editor

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Monitor Musings

Ken Baker, DOE/HQ

CAIS Patch:

Our trusty contractors are working on some alterations to the last release, which will incorporate some OSF models to facilitate Deferred Maintenance (DM) reporting in FIMS. These models are generic in nature since the majority of Other Structures and Facilities (OSF) are covered in the CAS Sitework Work Breakdown Structure. The problem with the models is reporting an RPV for each OSF. The DOE CFO and IG have concurred with Field Management's request to not report a Facility Condition Index for OSFs. If there is no need for an FCI then there is no need for a RPV or CPV. We are working on using the models to just report DM. There will be no commingling of DM for buildings and OSFs. We will discuss this issue on the next conference call.

The patch will also have an inspection date field and assessment methodology list for your reporting use. The methodology list consists of inspection, escalation, and extrapolation choices. These fields will be added to the FIMS interface.

Deferred Maintenance Queries:

Presently Field Management is having monthly conference calls with OPS Office maintenance and CFO types to discuss the status of DM reporting and concerns. Since the release of FIMS and CAS have occurred,

Field Management will now be querying FIMS before each meeting to determine the sites population of the DM fields and methodologies used to report DM. With the electronic tools the CAS sites have at their disposal this should really be a piece of cake. This is a notice to make sure you get your DM data in FIMS before the October deadline. Your monitor will be moaning if YOU don't meet the deadline.

CPV Study Update:

A draft study plan with appropriate tables has been drafted by the monitor and is in Chicago for review by the CPV guru, Max Rosenquist. We hope to send it to the volunteers/victims in August. I promise to send the results to the CAS community when we finish.

The CAS Program at ORNL

Terry Christie, Oak Ridge National Laboratory

The CAS program at ORNL has started down a new avenue of inspection. We have recently purchased an infrared camera for our maintenance department. Three of our inspectors have been trained on its use and are now certified to operate the camera. We are currently in the process of trying to incorporate infrared and digital images into our reports. Our first priority has been the inspection, with thermography, of electrical panels in some of our older facilities. We are removing the panel covers and scanning the breakers and fuses for hot spots that could be the result of loose connections or

faulty breakers. We believe that this technology will vastly improve our program and our ability to get a broader view of our systems. With this camera you can also inspect roofs for leaks, steam lines, motors and numerous other things. The initial investment of the camera was quite costly, approximately \$65,000, but by the first day we had it we were able to determine a problem in one of our substations that saved the company and estimated \$100,000 in downtime and damage to equipment. The management at ORNL has already been able to see that this was a very worthwhile investment.

I will be giving a demonstration of the camera and the images you can produce with it at the next LCAM/CAS Network meeting. I will also have some reports that we are able to generate with the software that utilizes both digital and infrared images.

Notes from the Chairman

Bob Von Eschen, Pantex

We could use more sites on the monthly conference call. The call updates the network members on happenings, current status, and future plans of both the developments at DOE Headquarters and at the individual CAS site organizations. The several questions asked may be in the minds of many people with the answers given to all. The call ranges from less than one-half hour to a maximum of one hour. Please join us in these monthly calls whenever you can, and benefit from this medium of exchange.

Start thinking “Las Vegas” in October (19 through 23) and the network fall meeting. Mitzie Stone reports that all arrangements have been made for “Excalibur” rooms, “North Las Vegas Site” meeting rooms, and a tour of the Yucca Mountain Facility.

Don’t miss this opportunity to see the mountain before it is filled with containers.

THIS IS A CALL for the fall network meeting agenda items. Please let me know by e-mail or phone of any items that you want scheduled or features you would like to see included in the agenda.

A final note, I again want to wish the “Best-of-New-Opportunities” and voice regret in the leaving of Charlie Lu. We shall miss his friendship and expertise in the continuing development of CAIS. “Thanks Again!”

Pantex No-CAS Activity

Bob Von Eschen, Pantex

Inspections are continuing as scheduled for CAS in the second three-year cycle of Facility Condition Inspections. With only two Inspectors, progress is slow but to date all commitments and the schedule have been met. A reorganization of the site inspection activities is planned, with the integration of Facility Inspections with Building Management duties. The new program is a concept and no details have been issued, however all persons in this new program are to be trained in CAS Inspections. We hope to give you some idea of the new program in Las Vegas. Hope to see you all there!

LCAM/CAS Network Meeting

Shirley Lambert, Yucca Mountain

Just talked to the Excalibur Hotel/Casino and they have blocked off 40 rooms for us for Oct. 18-22. The rate is \$79.00 per night (plus tax). The hotel has requested that everyone should make his or her reservations one-month in advanced (no later than Sept. 18th). Also, use the Group Code “XLCAM” when making your reservations. The Excalibur Hotel/Casino is

located at the south end of the strip. They do provide a shuttle service to/from McCarran Airport. Here is the number and address for the hotel:

Excalibur Hotel/Casino
3850 Las Vegas Blvd., South
Las Vegas, NV. 89109
1-800-937-7777

Remember to use the Group Code. If you have any questions you can contact me at (702) 295-5951 and I will try to find all of the answers for you.

P.S. LCAM/CAS Network Meeting

Mitzie Stone, Yucca Mountain

I would like to inform everyone that because of the large group we have for the tour, we will not be able to ride the man train into the tunnel. We will be walking into the tunnel to the first or second alcove. In order to do this everyone must wear appropriate shoes. If you have steel toed shoes please be sure to bring them with you. Otherwise you will be required to wear the cute little toecaps over your regular shoes. Please no sandals or dress shoes. Wear tennis shoes, hiking boots, or steel-toed shoes.

Notes from DynCorp

Kevin Kiah, DynCorp

The CAIS 3.5 software is now out the door! If you (the CAIS sites) did not receive the software then please give the CAIS ATSO office a call at (301) 903-0944. Nick and I are now spending the majority of our time working on CAIS2000. However, we are planning on sending out a patch to the current system, which will include a filter for the new deferred maintenance reports and new model types for reporting of OSF's.

OSF Data Fields

Ken Baker, DOE/HQ

Because of the complexity of calculating Replacement Plant Values (RPV) for over 160 OSF systems, the CFO and IG have agreed to not use a Facility Condition Index (FCI) to differentiate what is acceptable and not acceptable in reports on deferred maintenance (DM) for OSF systems. Sites will be required to report only the TOTAL Deferred Maintenance amount for each of their OSF systems they have. Building FCIs will continue to be used to differentiate the acceptable and nonacceptable operating assets.

FOR CAS USERS ONLY:

This decision has an impact on CAS sites and the OSF models that are being developed by Parsons Brinckerhoff. The CAS patch will only have a limited number of OSF models. We would like the DOE CAS sites to test these models. A decision will be made whether to add additional models at the conclusion of the test. DOE CAS sites will not be able to use the CAS-FIMS interface for reporting all their OSF deferred maintenance.

FOR CAS AND FIMS USERS:

The upcoming FIMS patch will delete the OSF Structure RPV field. Summary Condition Codes will not be entered in FIMS for OSF's. The OSF FIMS Building Deficiency System fields will still require population. Please refer to the colorful chart that was distributed at the Nevada FIMS workshop. The majority of OSF's will fall under Sitework or Specialty Systems. However, for some OSF systems that involve buildings or structures other deficiency systems may be applicable.

If you need further clarification on this please call me at (202) 586-4502.

What Has PB Been Up To?

Jesse Oak, Parsons Brinckerhoff

Well the CAS Program continues on even though many have announced its demise. Parsons Brinckerhoff the original developer of the program with KPMG has been working with DynCorp the past couple of years to provide continued support. Even with tight funding the CAS support team has found ways to serve any user requiring assistance.

PB worked with DynCorp to develop the newest release of Site-CAIS Version 3.5 that all users should now have. This release includes updated 1998 costs based on the R.S. Means database, an easier upload and download process with the FIMS system, and an automatic method for calculating condition codes for assets and the systems based on replacement plant values of the assets and the deficiencies found. The program continues to operate basically as it has the last several years so users should be comfortable with its use. But, on the horizon is a new and improved version.

Currently, PB is assisting DynCorp with the development of an updated, easier, and streamlined version of Site-CAIS tentatively named CAIS2000. This will be the first major update of the CAIS system since 1993 so maybe it is about time. The new version will be a true 32-bit Windows based operating program and will incorporate many of the lessons learned over the past several years. At the last user's meeting, held at Lawrence Livermore National Lab, the user's were asked to suggest changes, additions, and improvements to the system. With this wish list the support team spent several days brainstorming the framework of

the new version. We are now working to refine the process and develop a beta version for testing. With DynCorp busy at work programming PB has been tapped to provide the history, methodology, and engineering support required. Even though CAIS2000 is not planned for final release until the third quarter of 1999 it will be an exciting new way of looking at and reporting data with lots of flexibility built-in.

Until CAIS2000 is released PB will continue to support DynCorp and the CAS community. This support includes development of new cost items as requested by the sites, the development of costing models for building, trailers, and other structures and facilities, the addition of revised special condition cost adders provided courtesy of Lawrence Livermore Lab and Mr. Paul Reynolds, and other tasks as defined.

So you see we have been working to see that the CAS Program, which was the largest and most innovative program of its kind when introduced continues to grow. Give us a call and see what we can do for you.

There is a Wind a Blowing

Jesse Oak, Parsons Brinckerhoff

Parsons Brinckerhoff is currently developing table updates under a contract with the NASA Code R sites led by the NASA Lewis Research Center in Cleveland, OH to inspect Wind Tunnels. NASA Lewis has been a user of the DOE CAS Program the past several years in the hope of rolling it out to all of the NASA research facilities.

NASA has several Wind Tunnels in their inventory. As specialized systems, the CAS Program did not allow for easy inspection. NASA asked PB to create an easier way to look at and inspect these facilities for

deficiencies. Since NASA Lewis is updated with each DOE release through a licensing agreement it was important to create a system that would allow continued updates. Creating a new Volume 10 for Wind Tunnels and incorporating updated tables into the Site-CAIS system to allow for inspections did this. As you have probably guessed, DOE benefits as well by automatically getting these tables in a future patch. So if you ever find yourself with a surplus Wind Tunnel rest in the knowledge that you can now inspect it.

I hope everyone is having a great summer and I look forward to seeing you in October.

Final Comments

Terry Christie, Oak Ridge National Laboratory

I would like to thank everyone who contributed an article for the newsletter this month. Remember that this newsletter is your way of keeping up with what the other sites are doing and get information about new CAIS updates. I would love to see all sites send in an article about what is going on with their program for the next issue, which will be November 1998.

I hope everyone is making plans to attend the LCAM/CAS Network meeting in October. This meeting will give us an opportunity to discuss the new CAIS2000 and offer any suggestions we might have about its development. It will also give us an opportunity to meet Nick Stockton, DynCorp, who is currently working with Kevin Kiah on the development of the new CAIS version. Please try to attend if at all possible.

Finally, I want to let you know that the next LCAM/CAS conference call will be held Wednesday, August 12 at 11:00 EDST. The phone number for this call will be 301-903-6167. Please try to be on line for this call.