

NETWORK NOISE

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Terry Christie, Editor
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August

INSPECTOR CAIS RETURNS

Ken Baker, Technical Monitor

Yes, it is true the inspector of old CAS fame is returning. Limited appearances are being scheduled for Los Alamos in August, the Y-12 Oak Ridge valley in September and a finale in January at the Nevada Test Site. And you thought Peter Sellers had died. The courses will be given by Dennis (Phillip Marlowe) McDermitt, Ken (Sherlock Holmes) Rowe, Jesse (Joe Friday) Oak and the return of Mr. Inspector CAIS himself, "Chuckster" (Hercule Poirot) Siegfried. The dates are the following:

- LANL - August 20-23 (open to LANL inspectors)
- Y-12 - September 11-14 (limited seating available)
- NTS - January 2002 (wide open).

The purpose of the course is to train inspectors on the major functions of CAIS 2000, costing, reporting, and planning and conducting assessments. Hope to see some of the prodigal CAS/CAIS family returning at these training sessions.

Contact Dr. Watson for reservations at (202) 586-4502. Maximum seating varies from 12-15 chairs.

CAIS USERS LIST CONTINUES TO GROW!

Ken Baker, Technical Monitor

Last year at this time we were struggling on what to do with CAIS after Kevin Kiah and Nick Stockton departed for the environs of Booze & Allen. Thanks to the perseverance and patience of Brett and the programming, design and testing skills of Ken and Dennis, the CAIS user list has grown from 8 to 13. The new old users are Y-12, Pantex, LANL,

with Portsmouth and Paducah being new users. RL continues to show strong interest but has to find some funds. We now have a product that has been simplified in its use and design. We have some new features in mind this fall. More on that from Ken Rowe. The last inspector course was given three years ago at a special request from Pantex. Now we have three scheduled over a 5-month period. Wow what a year it has been! Thanks for keeping the faith and sticking with the program. We will be here to support you.

RPV MODELS COMING SOON!

Ken Baker, Technical Monitor

Jesse and I, mostly Jesse, have just about finished the models that will be used to calculate RPV. Thank you very much RS Means and the Vegas 8. The models will be added to a FIMS module that will automatically calculate an RPV using the FIMS Usage Code and the gross square footage, number of stories, a geographic adjuster, and a local site factor built into FIMS. The site factor can be adjusted to suit sites local conditions. The model national unit costs will be entered in several weeks into the FIMS RPV module. Sites will still have the option of using the models or generating their own RPV. A by-product of the RS Means standard and customized models will be the WBS percentages used in the CAIS Summary Condition Report. These percentages are included in the RS Means model development task. These percentages allow CAIS users to calculate a FCI for the deficient systems. Just a reminder the model selected in the Summary Condition Report depends on the Design Code so make sure your FIMS administrator has this field populated. In 90% of the cases the design and current usage code will be the same. Both use the same list of FIMS Building Usage Codes.

historic moment for those of us who have worked in the Oak Ridge community.

ORNL NEWS

Charlie Lamb, CAIS Administrator

ORNL has made the switch to CAIS 2000 and we are having some problems, none major at this time, but when you switch data from 3.5 to 2000, if you have made any changes into any table, then the changes from 3.5 into 2000 will have to be made manually. I have done this and have cleared the error codes. We are still working on the ACCESS Reports that we have built. This will take some time to iron out.

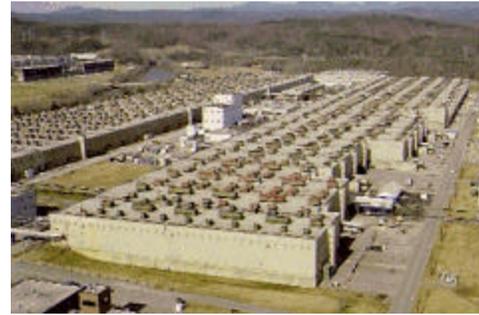
If you start fresh with CAIS 2000, like Y-12 has then there should not be any problems. ORNL has made several changes into these tables to better identify our deficiencies. My assumption is that if no changes were ever made in CAIS 3.5 tables and that data is migrated into 2000 there will not be any problems getting that data to migrate smoothly.

CAIS_SITE_REPAIR_CAUSES
CAIS_SITE_REPAIR_TASKS
CAIS_SITE_REPAIR_SYMPTS

East Tennessee Technology Park

Jane Nations, CAIS Administrator/Inspection Coordinator

Inspections at ETPP are continuing to progress as anticipated, with some additional inspection activities being added to our agenda. We are finalizing inspections for the Facility Status Review of D&D facilities for FY 2001 and have assisted in performing numerous evaluations and inspections in preparation of the demolition of the infamous K-25 facility. Built in 1943, K-25 housed the original uranium enrichment operation at Oak Ridge, and at one time was the largest facility under roof in the world, covering over a mile from end to end, and totaling some 5 million square feet. The first phase of demolition is expected to begin in late 2002, and is expected to continue through 2008. Because of the historical nature of the facility, some components will probably be preserved for inclusion into some type of exhibit. The demolition of this facility will definitely be a



We look forward to seeing all of you in October, when ORNL plays host to the CAS conference!

Cost Map Description

Ken Rowe, DynCorp

Introduction

The CAIS 2000 software currently uses composite assemblies based on RS Means costing. In the future, CAIS will start using the RS Means costs directly. This will simplify cost updates in the future and provide more accurate cost estimates.

Progress Report

I have mapped most of the Lawrence Livermore National Laboratory data. I have received the cost information from the following sites:

LLNL - Lawrence Livermore National Laboratory
ETTP - East Tennessee Technology Park
ORNL - Oak Ridge National Laboratory
WIPP - Waste Isolation Pilot Plant Program

If you are not on this list and you want to have your costs converted, please run the query we sent out and e-mail the results to Dennis McDermitt.

After mapping all of the costs that are currently in use, I will need to create relationships between all of the RS Means costs and the CAIS WBS units.

The functioning of the CAIS software will remain the same after the conversion is

complete. The only difference will be that there will be additional choices under each **Discussion**

Type.

The table below shows the current CAIS composite item first and then shows the individual items in RS Means. The ***bold italic*** entry is the item that the composite cost will be mapped to in the future. There are two examples given to give you an idea of how the costing conversion process will work.

Item	Cost Mapping Examples	Material	Labor	Equip-ment	Over-head	Total
	CAIS 3.5 Composite Item with 2000 Escalated Cost					
1	Fan,Prop,Exh,DirectDrive,TwoSpeed,w/S hutter,1850-4700CFM;1/4->1HP	367.98	95.20	0	93.59	556.77
	CAIS2000/RS Means Items					
1.1	Fan,Prop,Exh,DirectDrive,TwoSpeed,w/S hutter,1890 CFM 1/4HP	274.00	88.50	0	77.50	440.00
1.2	Fan,Prop,Exh,DirectDrive,TwoSpeed,w/S hutter,3275 CFM 1/2HP	315.00	103.00	0	97.00	515.00
1.3	<i>Fan,Prop,Exh,DirectDrive,TwoSpeed,w/ Shutter,4720 CFM 1HP</i>	490.00	124.00	0	121.00	735.00
	CAIS 3.5 Composite Item with 2000 Escalated Cost					
2	GENERATOR SET; DIESEL; 3PHASE;4 WIRE;277/480 VOLT;75-175KW	31,941.18	2,119.95	386.69	4,419.71	38,867.53
	CAIS2000/RS Means Items					
2.1	GENERATOR SET; DIESEL; 3PHASE;4 WIRE;277/480 VOLT;75KW	25,700.00	1,925.00	405	3,670.00	31,700.00
2.2	GENERATOR SET; DIESEL; 3PHASE;4 WIRE;277/480 VOLT;100KW	28,500.00	2,175.00	460	4,165.00	35,300.00
2.3	<i>GENERATOR SET; DIESEL; 3PHASE;4 WIRE;277/480 VOLT;125KW</i>	30,000.00	2,325.00	490	4,385.00	37,200.00
2.4	GENERATOR SET; DIESEL; 3PHASE;4 WIRE;277/480 VOLT;150KW	34,400.00	2,600.00	545	4,955.00	42,500.00
2.5	GENERATOR SET; DIESEL; 3PHASE;4 WIRE;277/480 VOLT;175KW	37,500.00	2,700.00	570	5,330.00	46,100.00

Network Noise Article on Oracle Backups

Backing up the CAIS 2000 Database

Dennis McDermitt, DynCorp

Several users have requested information about backing up the CAIS 2000 database. Countless volumes have been published on the subject of Oracle backup and recovery procedures, and ideally, you have a database administrator who has read every tome published by the Oracle Press. If, however, you are going it alone with regard to backups, you can use the following simple procedure to make a backup file that holds both the structure and data of your CAIS 2000 database.

This procedure assumes that you are comfortable entering commands at a DOS prompt. It also assumes that the CAIS 2000 administrative user is `cais_admin` with password `cais_admin`. If you have changed the administrative user, substitute the appropriate user name and password.

1. Make sure that no one is using CAIS 2000.
2. Open a DOS command window.
3. Type in the following line and press Enter:

```
Exp cais_admin/cais_admin@cais  
file=backup.dmp full=y  
log=backup.log
```

And that's it. The `.dmp` file can be used to recreate your database, if necessary. Of course, you can substitute any names you wish for the files "backup.dmp" and "backup.log." Perhaps you want to incorporate the date of the backup in the names of these files. In any case, it is a good idea to perform regular (say weekly) backups or, at the very least, to back up the database after you have entered a large amount of data. You will also want to make sure that the `.dmp` file(s) are stored on a computer that has regular hard drive backups.

Please call Ken Rowe or me if you have any questions. Also, be aware that this only one type of backup and that there are other "physical backup" options that you might

want to consider. We would be happy to walk you through the procedures or to make suggestions about an effective backup strategy.

Brett Platko Departs

Ken Baker, Technical Monitor

Our CAIS manager for the last several years is taking another position within the DynCorp family as a manager of information services in a contract with the Securities and Exchange Commission. Brett will be leaving on August 2 despite intensive lobbying to "keep him on CAIS". Brett has done an outstanding job managing the CAIS task and rescuing us from shutdown last year. I personally will miss him for his astute cost management skills and visions of what CAIS should and can be. What we have now was planned and managed by Brett. What we are attempting to accomplish with the new costing algorithms was started on Brett's watch. Thanks Brett for everything. I will miss you even your nervous laugh. We wish you good luck in your new position and please drive carefully on the Beltway! For CAISers you still have Ken, Ken, and Dennis around to help you!

Pantex CAS

Bob Von Eschen, Pantex

The Pantex site re-organization is nearly complete, at least in the area of Inspections and Predictive Maintenance. Predictive Maintenance got a divorce from the CAS inspection effort. Current the word is that a new group of three CAS inspectors and a CAIS Administrator will be formed within the next month. Funding is requested for this group for the next two budget years, and thus the program should get off to a good start. The three CAS inspectors should then be available for the January training session.

Chairman's Notes

Terry Christie, ORNL

Not much to add. The Network meeting will be held October 23-25 in Oak Ridge. The arrangements are not complete but will be sent as soon as they are. Please try to

attend if your budget will allow. The next conference call will be September 19.