

Network Noise

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Terry Christie, Editor

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Data Entry

Chuck Seigfried

During discussions with CAIS Users, the subject of data entry usually comes up. Many say that they are behind in data entry as it takes so long to get the collected data into CAIS. During the CAS Inspection efforts at Pantex and NREL I was able to keep up with as many as three teams of inspectors on a daily basis. Data collected would be in CAIS by the next day. My methodology is simple yet it enables me to enter large volumes of data quickly. It involves using the RS Means books to identify the component being inspected instead of scrolling through the lists in CAIS.

What I do is as follows:

I identify the component in the RS Means books and write the item number on the data collection sheet. Quite often they become repetitive. I create a list of the Item numbers that are repetitive which speeds up the effort, as I don't have to look them up in the book. This also makes the data entry more consistent because I am using the same item number for like components. I also highlight the repetitive items in the RS Means Book and tabbed the pages being used.

I separate the data collection sheets by Inspector and then by like component

I enter the data into CAIS using the search function to locate the component. By doing this the WBS and Component /Type (IU) will be created by the system. Because I have separated the data sheets by Inspector and component, I am able to use the copy function to create repetitive IUs.

Speeding up the data entry process very quickly makes up the time spent using the RSMeans books to identify the component. At first it seems to take a lot of time to find the items in the RS Means books but you very quickly become familiar with the books and the amount of time spent quickly diminishes. Again, the components being identified are usually repetitive by site and asset and I find that I'm using very few pages in the books to find the items being identified.

During training and in all our discussions over the years, you often hear our training team talk about pre-inspection planning, conducting the inspection, and post inspection follow-up. Prior to sending inspectors out to begin collecting the data, I make sure they all understand the process, are comfortable with the

data collection sheet, and know the minimum data required on the data collection sheet to satisfy CAIS. When the inspectors return I immediately scan their collection sheets to make sure they have filled them out properly and I can read them. Any safety related issues are taken care of immediately and the next day's schedule is finalized.

RSIS Update

Dennis McDermitt

It's hard to believe that the March 2004 conference is nearly upon us. Here is a CAS/CAIS project status report, with some previews of what to expect next month.

Projects Module

Based on requirements developed at the October 2003 group meeting, Ken Rowe has created a fully functional Projects Module in CAIS. I distributed the specification for this module at the end of January. So far, we have not received any comments, questions, or suggestions about this specification. Our intention is to demonstrate the new module at the March meeting and then release it immediately thereafter. Thus, if you have any additional requirements, please e-mail them to Ken or me ASAP.

Please remember that we are adding the Projects Module to the centralized version of CAIS. You will have to convert to the centralized database to have access to the Projects Module functionality. If you do not intend to centralize, then we will convert your database and ship it

back to you to run as a standalone system. Which brings me to the next topic...

Centralization

Development and testing of centralized CAIS are complete. The production database has been configured, and we are awaiting final confirmation of the correct firewall ports before we roll out the system. We have successfully tested connections from the field, verified that system performance is on par with "localized" CAIS, and created ODBC connections from Microsoft Access to permit custom reporting. The one remaining task is to create connections from the web-based reporting systems at ORNL and NTS to the centralized database. We expect to finish this within the next two to three weeks.

At the meeting in March, I will distribute information about the centralization process, software requirements, database backups, and firewall/networking issues (including security). I would also like to develop a centralization schedule, with the goal of completing all database conversions by June.

Many thanks to Terry Christie, Charlie Lamb, Jane Nations, and Dan Soper (and anyone else I might be forgetting) for their thorough pilot testing of centralized CAIS!

OSF Models / RS Means CostWorks

RS Means is developing standard models for ten different utility and

distribution systems, as well as a DOE-specific version of CostWorks for generating customized RPV models. We will provide an implementation schedule for these items at the March meeting.

Transition

With Ken Baker's retirement, our new Federal Technical Monitor is Andy Duran, the Sr. Real Estate Officer in DOE's Office of Engineering and Construction Management. Among other things, Andy is the System Owner for FIMS and is heavily involved in issues related to deferred maintenance, real property, requirements of the new RPAM order, and condition assessments. Andy plans to attend the March meeting, so it will be a good chance for him to get to know the CAS/CAIS crowd.

CostWorks with CAIS and FIMS. I'm very happy that Ken agreed to help us in his semi-retirement, even if it means I will be the target of more "Little Professor" jokes.

Please call me at (301) 903-0987 if you have any questions. Hope to see you all in Las Vegas!

CAS Users Group Meeting
March 16-18
DOE Nevada Support Facility
North Las Vegas, NV

Finally, I would like to welcome Ken Baker back to the CAS community after a painfully long one-month absence. As a consultant to RSIS, Ken will be supervising the OSF

model development and the integration of RS Means.

Y-12 National Security Complex

*David Peebles, FCAS Program Manager
Jane Nations, CAIS Administrator*

In a short 2 ½ years, the Facility Condition Assessment Survey (FCAS) Program at the Y-12 National Security Complex has evolved into a mature inspection program. What originally began as a five year inspection program quickly turned into an intensive two year effort that also included inspection of all utilities and infrastructure. The inception of the National Nuclear Security Administration's (NNSA) Facilities and Infrastructure Recapitalization Program (FIRP) was the primary driver for accelerating the program. The NNSA has provided significant funding for repairs at its sites, but at Y-12, the money comes with a catch: all deficiencies identified for the deferred maintenance (DM) portion of FIRP must be tied to a CAIS inspection unit. This is the validation mechanism for the NNSA FY 2009 corporate goal to reduce the DM to less than 5% of the plant replacement value (RPV) in mission essential facilities. With minimal inspection activity accomplished, it was evident that Y-12 had a huge challenge to baseline all inspections in short order.

The original inspection team consisted of three full-time inspectors, a CAIS administrator and a program manager, but was increased to thirteen full-time inspectors and one full-time and one

part-time CAIS administrators during the last half of FY 2003. During the period between March 2003 and October 2003, the team inspected and documented 160 facilities, totaling 1,300,000 ft², and all utilities and other infrastructure located at Y-12. Although it was an intensive effort, the team pulled together and successfully accomplished its assigned mission. The baseline inspection data was reported in the FY2004 Ten Year Comprehensive Site Plan (TYCSP) and also in the FY 2003 call for DM reporting. FIRP projects are now linked to the CAIS deficiencies, and Y-12 is well on its way to achieving the FY 2009 NNSA corporate goals.

The intensive inspection effort has been accomplished, and the program has returned to four inspectors, one CAIS administrator, and a program manager. Although inspections are once again on a 3-5 year cycle, Y-12's involvement in the FIRP program continues to evolve. Among the items slated for FY 2004 is the continued effort to work with the project and facility managers program to capture all corrected deficiencies and associated funding sources. This coordination enhances reporting data for the FY 2005 TYCSP by accurately documenting the reduction in deferred maintenance. Also scheduled in FY2004 is a parametric validation of the deferred maintenance value. A new concept that has recently been introduced by NNSA is Replacement-In-Kind (RIK). RIK has been integrated into the FY 2005 TYCSP. This data is a subset of CAIS and DM and Y-12 is

currently working to understand and capture the information.

Deferred Maintenance and Condition Assessment Surveys continue to be interesting and challenging activities for Y-12. It is envisioned that with the increased efforts by NNSA to utilize the data, the program will continue to grow and evolve. We can't wait to see what comes next!!

Final Notes

Terry Christie

Well it was sad to see Ken Baker go but as we thought might happen he has resurrected again. It is great for us because we love him and think he has a lot to offer this program and I for one, hope he never leaves. Glad to have you back on board, Ken.

On to the other news, there was a little mix up with the conference call this month but I hope it has been resolved and the call will continue, hopefully with greater success than the last one. The next call will be on Wednesday, March 10 at 11:00 EST. The phone number for this call will be 301-903-6202. Please try to make time for this call. Also I hope everyone is making plans to be at the Network Meeting in Las Vegas next month. If you haven't let me know that you will be there please do so as soon as possible so I will have the attendance list ready.