

P.O. Box 58888
Salt Lake City, Utah 84158-0888
800-738-8500
<http://www.acdm.org>

**2000 – 2001
National Officers**

President
Kyle Shackelford

VP of Education
Dick Carlson

VP of Services
Bob Williams

Secretary
Sue Fair

Treasurer
Curt Jagger

CM Chair
John Corcoran

DM Chair
Cynthia Hauer

Board of Governors
Hugh Ayres
Dorothy J. DeReu
Paul Olszewski
Sam Packer
RAM White

ACDM 2001 Conference Update

By Dick Carlson, VP of Education and 2001 Conference Chair

It's very exciting when the efforts of many, all with a common goal, start to zero in on an event as significant as the ACDM 2001 Technical and Training Conference. As most of you already know, the decision was made earlier this year to repeat the conference location in San Diego, CA. The Shelter Pointe Hotel and Marina will once again host ACDM's attendees and exhibitors and will provide first class accommodations much like they did for us last March. What many of you may not know is how the format for the conference is changing. For 2001, we have incorporated three tracks into the conference that will focus on CM and DM training and CM and DM tools in addition to a number of exciting CM and DM related topics. We felt that structuring the conference in this manner would elicit more interest from attendees and exhibitors alike.

In another creative move, ACDM joined the e-world by establishing a conference website, which can be found at <http://www.config-mgmt-solutions.com>. Links from other websites to the ACDM conference website have also been established, which will broaden the span of communications throughout the CM and DM community to ensure the word gets out to the majority. Flyers announcing the conference will be dispatched via e-mail once a month through March 2001 beginning in October, so be sure to check this out when you receive them. Our *Journal* Editor is distributing PDF files of this periodical electronically as a convenience to members and to help reduce production expenses.

We've asked you for suggestions on how to improve our conferences and you've told us. We are doing as much as we can this year to meet your special requirements, and we plan to take the conference to a higher level each year thereafter. We want to satisfy the needs of the majority who are serious about their educational, help CM and DM professionals remain current in their profession, provide a more valuable asset to their organizations, and help ACDM members network with peers and some of industry's most noted CM and DM icons.

The next step depends on you as ACDM members. Of course, we expect and would enjoy seeing you at the 2001 conference, but we would also like you to bring someone with you. Preferably someone who has never been to an ACDM conference before, or someone who hasn't been to our conferences lately. Others we would also like to see and meet are your department and business managers. They stand to gain significant knowledge – not only in CM and DM, but in understanding the problems we face and the barriers that exist that prevent us from help making good organizations become great organizations.

Please check the ACDM conference website often, as there will be many updates in the months to come. You will also find that it is very easy to contact anyone on the conference task force through the conference web site. We'd love to hear from you and we look forward to seeing you at the conference.

2000 – 2001 National Officers

President - Kyle Shackelford

5309 Village Park Dr. SE
Apt. 1633
Bellevue, WA 98006
425-965-6185 (W) • 877-813 7963 (Pager)
Email: Kyleshack1@cs.com

VP of Education – Dick Carlson

714-638-3731 (W)
Email: iascar@earthlink.net

Secretary – Sue Fair

National Aeronautics and Space Administration
Marshall Space Flight Center
MSFC, AL 35812
(256) 544-0691 (W) (256) 544-4275 (fax)
Email: Sue.Fair@msfc.nasa.gov

Treasurer – Curt Jagger

Sikorsky Aircraft Corporation
6900 Main Street, P.O. Box 9729, MS S326A
Stratford, CT 06497-9129
203-386-3981 (W) • 203-386-5378 (fax)
Email: cjagger@sikorsky.com

CM Chair – John Corcoran

P.O. Box 470126
Fort Worth, TX 76147-0126
817-341-2728 (fax)
Email: jecork@earthlink.net

DM Chair – Cynthia Hauer, CCDM, ICM

Millennium Data Management, Incorporated
Post Office Box 5435
Huntsville, AL 35814
256-536-1096 (W) • 256-536-6096 (fax)
Email: HauerCC@aol.com

VP of Services – Bob Williams

Motorola Integrated Systems Division
6000 Technology Drive, Building 6
Huntsville, AL 35805
256-890-8726 (W) • 256-890-8751 (fax)
Email: bob.williams1@juno.com

Board of Governors

Hugh L. Ayres, Jr.

COLSA Corporation
6726 Odyssey Drive
Huntsville, AL 35806
256-922-1512 ext. 1243 (W) • 256-971-0002 (fax)
Email: hayres@colsa.com

Dorothy J. DeReu

DCM Services, LLC
9024 N. 63rd Lane
Glendale, AZ 85302-4001
602-939-8086 (W) • 602-939-1036 (fax)
Email: dcmdereu@aol.com

Paul Olszewski

3015 Del Rey Ave
Carlsbad, CA 92009
760-944-0733 (W)
Email: PAULOSKI@aol.com

Sam Packer

MS L5070
Lockheed Martin Astronautics
P. O. Box 179
Denver, Colorado 80201-0179
303-971-5036 (W) • 303-971-7517 (fax)
Email: samuel.h.packer@lmco.com

RAM White

1711 Merrimac Circle
Seneca, SC 29672
864-654-1284 ext. 156 (W) • 864-654-1284 (fax)
Email: ram@isscorp.com
Ramwhite@carol.net

acdm journal

Editor: Mary Shack

Purpose: This publication is provided to ACDM members as a forum for communication and information as it relates to configuration and data management and associated fields.

vol. VI, No. 5

Publisher: Sam Packer

The ACDM journal is published quarterly by the Association for Configuration and Data Management, P.O. Box 58888, Salt Lake City, Utah 84158-0888, 800-738-8500. The Association is not responsible for any statements, beliefs, or opinions expressed by individuals in this publication. The views expressed are solely those of the individual and do not necessarily reflect endorsements by the Association, except where noted.

Members are encouraged to share the information contained herein and are authorized limited reproduction for distribution within their company or organization. To submit articles for publication, or to obtain additional copies of the journal, contact:

Mary Shack
4410 Bellvue Ave
Austin, TX 78756
512-451-0841
Email: MLBS@juno.com



InSync is...

- Built to satisfy your tough requirements
- Geared for supply-chain integration
- Designed to manage information throughout your product's service life
- Flexible and easy to use
- Built around configuration management best practices
- Inexpensive and easy to maintain
- And much more

We understand what you need to succeed in today's incredibly competitive aerospace marketplace – InSync, the complete CM/PDM solution.

For more information on InSync, contact an ISS representative at (864) 654-1284, or by e-mail at sales@isscorp.com.

www.isscorp.com



ACDM Members participate in CM Symposium

By RAM White

The Hampton Roads Area Chapter of the International Council On Systems Engineering (HRA INCOSE) conducted a CM Symposium held on August 15 - 16, 2000, the theme of which was "Configuration Management in the Year 2000 and Beyond".

Over two hundred product and software managers, engineers, and analysts representing a wide variety of government agencies, private industries, and local universities attended the Configuration Management Symposium. The first day of the two-day program provided nine (9) session speakers and thirteen (13) exhibitors representing Virginia universities, professional societies, and configuration and project management software companies. ACDM board members (Cindy Hauer and Ram White) were invited by INCOSE to provide presentations for three of the nine sessions. About seventy-five of the attendees returned the following day for in-depth configuration management and project management software demonstrations.

This symposium was the 5th in a series of "no cost" symposiums that HRA INCOSE has sponsored during an 18-month period. HRA INCOSE's primary goal is to foster the definition, understanding, and practice of world-class systems engineering in industry, academia, and government. Over 1000 professionals from more than 100 organizations and companies have attended the five symposiums. The CM Symposium objective was to highlight the advancements in CM as a result of the information technology explosion. The HRA INCOSE Symposium provided an excellent opportunity for ACDM to work synergistically with another professional organization, which shares common goals. Both organizations are looking forward to more joint ventures in the future.

ecm5tools

Exceptional Configuration Management Tools . .
. . . Free Stuff

Are You Engineering Release and Change "Driven" (crazy) ?
You know that there is a better Doc Control / CM world
out there!
Why Reinvent the Wheel?

SEMINARS LITERATURE BENCHMARKING SOFTWARE
CONSULTING

See my Web Site or send an email ! . . .

. . . www.ecm5tools.com

Frank Watts, BSME, CCM ec3corp@RkyMtnHi.com



CMPPro is Configuration Management Professional

Put another way, "Configuration Management ***Simplified***".

Configuration and change management is complicated enough. You don't want CM software that makes it more difficult. Instead, you need software that simplifies the process. That's exactly what CMPPro does.

CMPPro simplifies the CM/PDM process by providing a full set of CM features.

- Workflow Process with electronic sign-off, notification and audit trail.
- Drawing and Document Management with Baseline Tracking and the ability to launch red-line, viewing and word processing software.
- Configuration/Change management and revision control functions using the Forms you currently use.
- Inventory, Parts and Vendor Management.
- Simplified, yet capable, system administration functions.

CMPPro was developed at Professional Systems Associates, by trained CM professionals. PSA has provided quality configuration and change management software since 1988. Our customers include the United States Navy and Marine Corp, and Fortune 100 aerospace firms. PSA has been awarded numerous CM contracts based on a consistent history of fulfilled contracts, promises and obligations.

Due to CMPPro's competitive pricing structure, great functionality, and ease of use, CMPPro has proven to be the working solution for drawing and document management, revision control and workflow process.

Here are a few facts about CMPPro, compare them to other software solutions and CMPPro will be the clear winner for your organization.

- Cost of software, server, installation, customization, and one year support contract is well below that of comparable, or lessor, systems.
- CMPPro supports drawings and documents in their native formats.
- Average time for CMPPro to be on-line is three weeks.
- We provide speedy enhancements and modifications that can be put into effect immediately using our automatic update feature.
- Available on a GSA schedule.
- Web Aware with Web Browser support !

Here is what a few of our customers say about CMPPro.

"We asked for and received modifications within eight hours. Try that with other CM software."

"We compared a lot of software when deciding on our base-wide system, but CMPPro met our requirements and beat others that cost three times as much."

Product Life Cycle

Product Life Cycle, that's what your job is all about. Shouldn't you have software that you want to use for the life-cycle of your product?

Take a look at CMPPro. It's ***Simply*** the Best.

Professional Systems Associates, Inc. 2404 Ruth Hentz Ave., Panama City Beach, FL 32405
Phone: 800-373-3453 Fax: (850) 763-9559 E-mail: psa@psasys.com Web Site: www.psasys.com

The Future of Data Management

By Cynthia Hauer

A few short months ago, no one would have used the term “future” in the same sentence or phrase with “data management”. Now, that has changed – and what an exciting future DM has!

Data Management is finally coming into its own – and being recognized as a critical and integral part and the foundation of network engineering, information technology, business, and the corporate competitive edge. Those of us who have maintained that there is an extended and important role for DM beyond deliverables tracking and delivery will soon have an opportunity to bring about the “manifest destiny” for DM that we have envisioned for so long.

On 28 August 2000, there was an event in Washington that will become a capstone for the future of Data Management. The Government Electronics Industries Association (GEIA) assigned a number to the new Data Management Standard – EIA-859 – and accepted a task plan for the development of the standard. The scope and range of this standard will be discussed in 25-29 September in Dallas at the annual GEIA conference, in the CM and DM Track. By the time you read this, that scope will be in draft, and we will be off and running toward a vision for DM that will include principles, procedures, and work instructions for DM as part of an Industry Consensus Standard. If any of you who cannot attend GEIA would like to have an out brief of Panel 4, Advanced Data Management, please email me at HauerCC@aol.com and I will be happy to accommodate your request.

The development schedule calls for completion of the standard and balloting by October, 2002. This will be a long, hard road – and will require the efforts and hours of many dedicated professionals – like yourselves – to the goal: a set of principles for trading partners to use and apply in the management of data in the digital environment. In the next ACDM Journal, there will be more information. Stay tuned for updates, and opportunities to become involved.

The CM/DM Track at ACDM 2001, in San Diego, will also feature an update on this work, and a chance for you to make a contribution and play a role in the process. ACDM is a part of the review team for EIA-859 – and GEIA is counting on us to play an active role in that review process. We were asked to participate, and as DM Chair, I have accepted that invitation with pleasure and pride, on your behalf. ACDM’s review of 859 will take place incrementally, and can be accomplished remotely, via email, once we have some draft material to review. Please consider becoming a part of this effort, and experiencing the satisfaction of knowing that *YOU* made a difference in your Community of Practice.

Plan to Attend ACDM’S

6th Annual Technical & Training Conference

***"Configuration and Data Management:
Strategic Components for Improving Business Processes"***

When: March 26 – 28, 2001

Where: San Diego, CA

~ HOTEL: Shelter Pointe Hotel and Marina ~

**To request a Registration and/or Abstract Submittal form, as well as view up to date conference information,
Please visit our website at <http://www.config-mgmt-solutions.com>**



EIGNER + PARTNER

The e-Engineering Company

A bright idea from **EIGNER + PARTNER.**



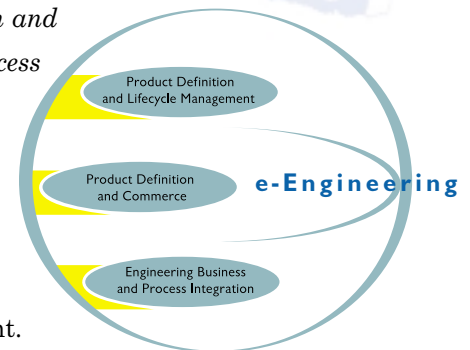
axalant



Energize your time-to-profit with axalant e-Engineering.

Envision a world where everything is possible. Where time-to-profit is dramatically accelerated. Where the right information always gets to the right people at the right time and place. A world where e-Engineering collaboration throughout the enterprise makes your productivity skyrocket.

Introducing the world of **axalant™** solutions. Comprised of *Product Definition and Lifecycle Management*, *Product Definition and Commerce* and *Engineering Business and Process Integration*, **axalant** web-based e-Engineering enables companies to define their products and processes electronically in cooperation with their suppliers, partners and customers throughout the entire product lifecycle. It's flexible. User-friendly. And easy to implement.



When it comes to e-Engineering solutions, **axalant** shines. From EIGNER + PARTNER — the first international supplier of PDM systems, and the solutions partner to hundreds of companies and research organizations worldwide. Call **949-453-0399** or visit **www.axalant.com**.

axalant ... because everything is possible.

Ubiquitous CM & DM

By Sandra L. Crowley

Ubiquitous is a real word. I thank a former Total Quality Coach for my first exposure some years ago to its existence. My version of Webster's dictionary defines ubiquitous as "present, or seeming to be present, everywhere at the same time; omnipresent." While I believe that God is omnipresent, I have come to discover that CM and DM are present everywhere, too. Oh, yes; I define CM as Configuration Management and DM as either Data or Document Management.

Ten years ago, I had my first introduction to the CM world. I had an opportunity to do CM for the Space Station effort at the NASA Lewis Research Center. I learned that CM was a discipline that had four areas of focus: identification, control, status accounting, and verification. I was certified as a CMII graduate and was indoctrinated about clear, concise, and valid. Off I went into a world of entirely new experiences. I was exposed to change requests and change boards first hand. I also learned about implementation of changes, and then of technical and CM requirements.

In the past ten years, I have come to see CM and DM in several environments. At NASA, the discipline is often applied to project requirements, documentation, hardware, and software. Though it is applied also to facilities, computers, and other areas as well.

NASA achieved ISO 9001 certification at all of its Centers and Headquarters in 1998-1999. For certification, CM and DM apply to processes, documentation, and data. Certification requires three occurrences:

1) document what you do, 2) do what you document, and 3) have evidence to prove it. The first item directly links to DM, and 16 of the 20 ISO 9001 elements state: "The supplier shall establish and maintain documented procedures." A key element (4.5) of the standard is entitled Document and Data Control. This element covers having procedures, review of documentation, a master index, no obsolete documents, and changes processed as the original. These requirements cannot be met without effective CM and DM. Further, without records (data), it is not documented, it did not happen.

One of my opportunities was to serve as a recorder to a Source Evaluation Board (SEB). When NASA enters into a contract that is over a certain dollar amount, there is a process of evaluating offers or submittals to reach the selection of a contractor. I applied CM and DM principles to this process. The statement of work requirements were traced and documented throughout the process—from creation, through the evaluation criteria, through all the reviews, through all the findings, to the final selection.

I am often asked what I do at NASA. I say I am a Configuration Management Specialist, and I remark that they now know exactly what I do. Defining CM and DM to a lay person is an interesting experience. I try to relate the disciplines to some simple object familiar to them. They usually nod that they understand, but I really do not think they have the foggiest idea of what CM and DM entail.

Continued on Page 10



Is your software project on course?

Software Configuration Solutions, Inc.

Dedicated to being a premier provider of SCM solutions

Our consultant teams have expertise in . . .

- ◆ SCM Assessments
- ◆ Tool Evaluations
- ◆ SCM Training
- ◆ Project Management
- ◆ Tool Implementation
- ◆ And much more

. . . whatever your SCM solution needs.



**Software
Configuration
Solutions, Inc.**

12700 W. Bluemound Road Elm Grove, WI 53122
Phone: (262) 938-0442 Fax: (262) 938-0443
Email: solutions@softconfig.com
Web site: www.softconfig.com



Software
Configuration
Solutions can
help you reach
your destination.

Ubiquitous CM & DM By Sandra L. Crowley
Continued from Page 8

I had the precise example for my parents one day. My father is a member of a model railroad club that takes displays to various events. The display is a combination of modules that are built by members individually. Modules are then combined in various ways to fit the space allocation of the event in which they are participating. The club has chosen to go from a 2-track layout to a 3-track layout. In order for the modules to have a functional third track, requirements have to be identified, controlled, and verified so that the model train will go around the display without any disruptions.

Personally, I have concepted and am defining a Christ-centered ministry. Home Alone will help those who are physically and functionally alone. The words “physical” and “functional” are descriptive of requirements and audits. Here again I see aspects of my training in CM and DM as they apply to an organization’s structure, mission, and vision.

In a recent Cleveland Plain Dealer newspaper, the employment section featured an article on the perspective of job satisfaction. “Professional organizers manage document flow” prompted one of my co-workers to note: “Sounds like ISO/CM to me!” Yes, that is a piece part of CM and DM. I want to say to the National Association of Professional Organizers: “Hey, we have the knowledge and tools.” But I believe CM and DM take things much farther than just organizing.

The ACDM, itself, has applied CM and DM to its organizational structure, its procedures, and its conferences. Some of my professional contacts in this association have 20-30 years experience, and they say they are still learning new things.

Speaking of learning new things, I am currently involved in a NASA-funded program called Intelligent Synthesis Environment (ISE). The program’s long-term goal is to develop the capability for personnel at dispersed geographic locations to work together in an immersive virtual environment, using computer simulations to model the complete life-cycle of a product/mission with near real-time response time before commitments are made to produce physical products. My current roles are to do documentation at a program sub-level and to survey CM Tools. I expect to influence the use of CM and DM program-wide. I also hope to expand CM and DM capabilities within this new environment and bring this new environment to the CM and DM applications in which I am affiliated.

Yes, CM is identification, control, accounting, and verification. Yes, DM is requirements, data, and documentation. Yes, CM and DM are many things to many people in many applications—work projects, business processes, hobbies, organizations, personal endeavors. And, yes, CM and DM are ubiquitous.

Sandra L. Crowley is the Lead for Configuration Management in the Systems Engineering Division of the Engineering and Technical Services Directorate at the NASA Glenn Research Center in Cleveland, Ohio.