

The DAMA Certified Data Management Professional Program (CDMP)

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DAMA / ICCP CDMP Exams Project Manager & ICCP Board President

DAMA International Education Committee Member & DMBOK Editorial Board

Former President: DAMA International, Chicago & Philadelphia Chapters

2006 DAMA International Professional Award Winner

Information Architect, JPMorgan Chase Card Services

DAMA Philadelphia / Delaware Valley, March 12, 2008

Topics

- Some Definitions
- Some History
- CDMP Program Overview
- Reasons for Certifying
- What Can Your Chapter Do?
- The CDMP Examinations
- Discussion

Certification: A Definition

- A process for ensuring that an individual has the knowledge, skills and/or abilities needed to perform a job, job role, duty or responsibility at a standard level of performance

Source: IBM Training Presentation, used with permission

Certification must be:

- Measurable Validity
- Legally Defensible
- Job Related

What Certification is *Not*

- An event
- A class
- An end-of-course exam
- Subjective

What is the ICCP?

- Institute for Certification of Computing Professionals
- Independent certification organization
- A Consortium of Professional Associations
- Offers vendor & product-neutral exams
- Handles DAMA International exam administration

What does ICCP do?

- Establishes recognized professional standards within the information systems and information technology industry
- Tests knowledge of stringent industry fundamentals, not product-specific awareness

DAMA I Certification History

- 1993: DAMA / ICCP team created the Data Resource Mgmt exam
- 1994: DAMA became an ICCP affiliate
- 2002: DAMA became ICCP constituent society member

DAMA I Certification History

- 2004:
 - Three new data exams implemented: Data Management, Data Warehousing and Database Administration
 - CDMP program introduced
- 2007:
 - Business Intelligence & Analytics
- 2008
 - Data/Information Quality (beta)

DAMA I CDMP Certification, Model Curriculum & DMBok

- ICCP exams used by many colleges and universities to assess students' exiting competency
- ICCP data exams designed to test knowledge of IRM/DRM function
- Serves as validation for the proposed DAMA IRM/DRM curriculum
 - Exam topics covered in curriculum & DAMA-DMBoK



CDMP Specialty Exams Mapped to DAMA-DMBoK

How can I get a CDMP?

- Fill out application (www.dama.org)
- Take / pass 3 exams: IS Core Exam plus two Specialty Exams
- One Specialty Exam must be taken from:
 - Data Management
 - Data Warehousing
 - Database Administration
- Meet the Experience & Education qualifications
- Sign the ICCP Code of Ethics

Exam Information

- Three Examinations
- 90 minutes
- Contents of each exam
 - 100 experience based randomized multiply choice questions (scored)
 - Plus 10 beta multiply choice randomized questions (not scored)
- Pass Exams at 70% or better for Mastery Level
- 50%-69% for Practitioner Level

Exam Information (cont'd)

- **Item Writer's Guide**

<http://iccp.org/iccpnew/iwguide.html>

- **Exam Subject Outlines**

<http://www.iccp.org/iccpnew/outlines.html>

- **Exams:**

- Product & vendor neutral
- International in nature

Specialty Exam Choices

ICCP Exams include:

- Data Management
- Data Warehousing
- Database Administration
- Business Intelligence & Analytics
- Data & Information Quality (beta)
- Systems Development
- Systems Security
- Others

CDMP Requirements

- 📖 Experience & Education
 - 📖 48 months experience
 - 📖 24 months for Practitioner level
 - 📖 Substitute up to 24 months of the experience requirement with appropriate undergraduate or graduate degree
- 📖 Three-year recertification cycle

What does it cost?

IS Core	\$250
First Data Specialty	\$250
<u>Second Specialty</u>	<u>\$250</u>
Total	USD \$750

All fees are non-refundable
Candidates may re-schedule within 48 hours of an exam date

Substitutions

Certified Insurance Data Manager (CIDM)	IBM Certified Database Administrator
IBM Certified Advanced DBA	IBM Certified Solutions Expert
Microsoft Certified Database Administrator	Teradata Certified Professional
Oracle Certified Professional	Oracle Database Administrator

- These programs are pre-qualified to substitute for one specialty exam. Others may qualify.
- Substitute certificates are acceptable as long as the certificate is current, i.e. has not expired.

Additional CDMP Certification Procedures

- ICCP will issue certificates and ICCP performance profiles to candidates
- Candidates may arrange through the ICCP to sit for the same examination or other exams

Exam Prep

- ICCP offers Sponsored Review Courses through chapters or companies
- Study materials and exam review course available through ICCP office (office@iccp.org)
- DAMA study materials (damai@dama.org):
 - Data Management Exam Study Guide
 - Data Warehousing Exam Study Guide

How do I take exams?

- Contact ICCP to arrange for a proctor
- Attend an Exam Prep class
- Find a proctor (a CDMP or CCP holder, educator, testing center) and have them make arrangements with ICCP

THE DATA MANAGEMENT ASSOCIATION

Announces to all that

PATRICIA CUPOLI

*has successfully completed all prescribed requirements
and is hereby awarded the professional designation*

CERTIFIED DATA MANAGEMENT PROFESSIONAL

At the Mastery Level with specialties in:
DATA RESOURCE MANAGEMENT
SYSTEMS DEVELOPMENT



*By authority of the Institute for the Certification of Computing Professionals
and the Data Management Association International*

Awarded this January 24, 2004, valid until _____

Certificate Number: _____

In witness whereof, we have inscribed our signatures

*John Tubley
President DAMA International*

*John Whitehouse Jr. CCFP #2
Director of Certification ICCP*



ICCP Performance Profile

PERFORMANCE PROFILE

Content Description	Number Of Items	Your Score	Status	Percentile	2 1	5 5	7 0	9 5	9 9
Systems Development	100	77	Pass	85	*****				
1. Systems Analysis	39	33		94	*****				
1.1 General System Theory	4	3							
1.2 Preliminary Studies	10	9							
1.3 Problem Definition	5	5							
1.4 Data Gathering/Analysis	10	8							
1.5 System Requirements	10	8							
2. Systems Design & Imp'n	52	38		80	*****				
2.1 Alternative Sys. Design	5	5							
2.2 Logical Design	10	9							
2.3 Detailed System Design	17	10							
2.4 Privacy/Sec'y/Controls	8	8							
2.5 System Implementation	7	1							
2.6 System Eval'n and Mtce.	5	5							
3. Systems Analyst as Prof'l	9	6		41	*****				
3.1 Organizational Roles	3	2							
3.2 Interpersonal Roles	2	2							
3.3 Communication Skills	2	0							
3.4 Ident. Key Individuals	2	2							

Recertification

■ Goals

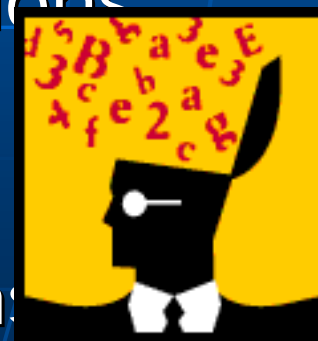
- Maintain professional competence
- Update existing knowledge and skills
- Attain new or additional knowledge and skills

■ Guidelines

- 3 year cycle
- Earn 120 approved contact hours of continuing education
- Pay \$75 per year maintenance fee to ICCP
- Receive Annual Transcript from ICCP

Types of Continuing Education

- Formal educational institutions
- Independent organized programs
- Professional society meetings, seminars, conferences
- Write ICCP examination questions
- Articles, teaching, lecturing
- Self-study programs
- Sit for other ICCP examinations



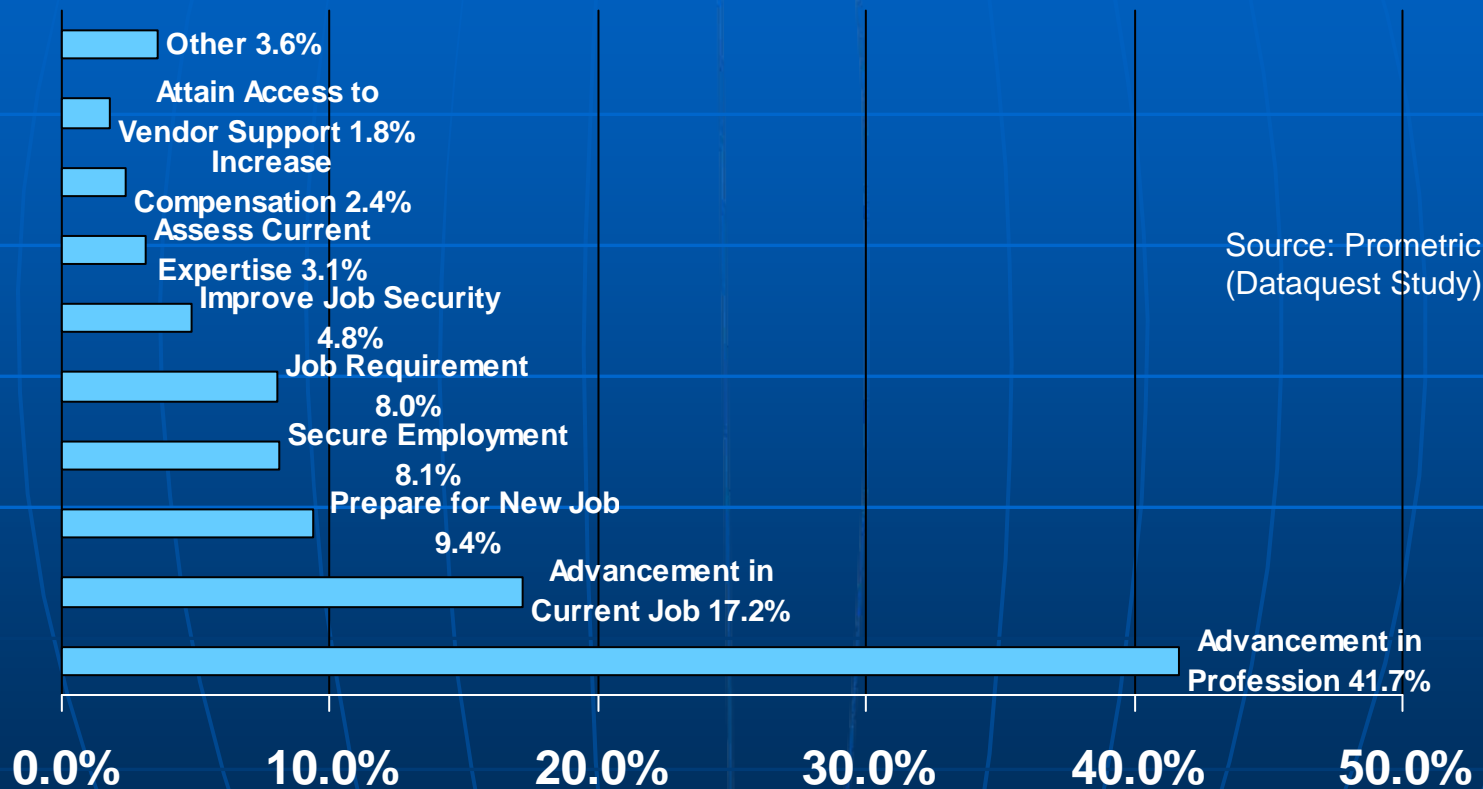
Professionalism

“Certification, in itself , is not a goal, but Professionalism is.”

Dr. Paul M. Pair, ICCP Fellow, 1982

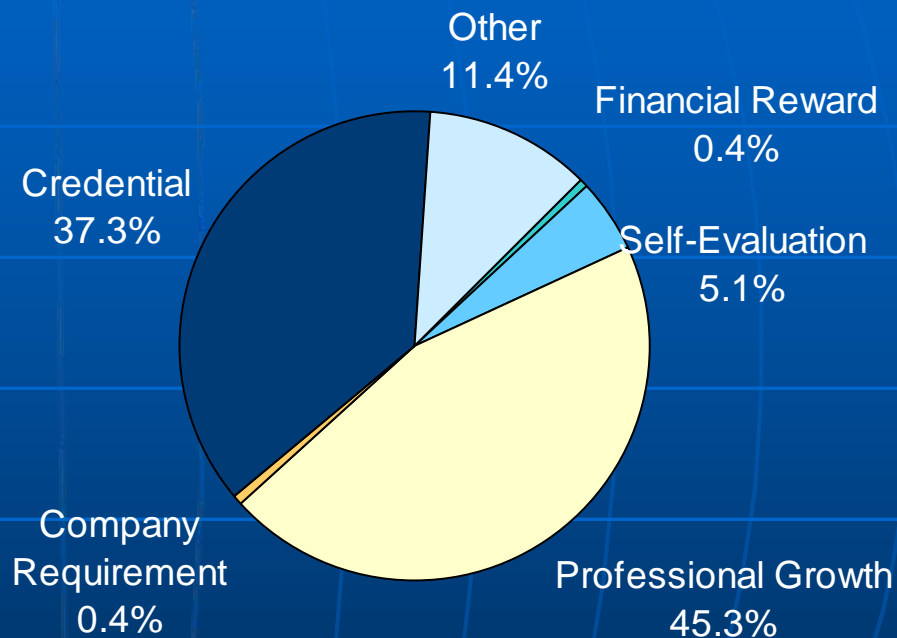


Reasons for Seeking Certification

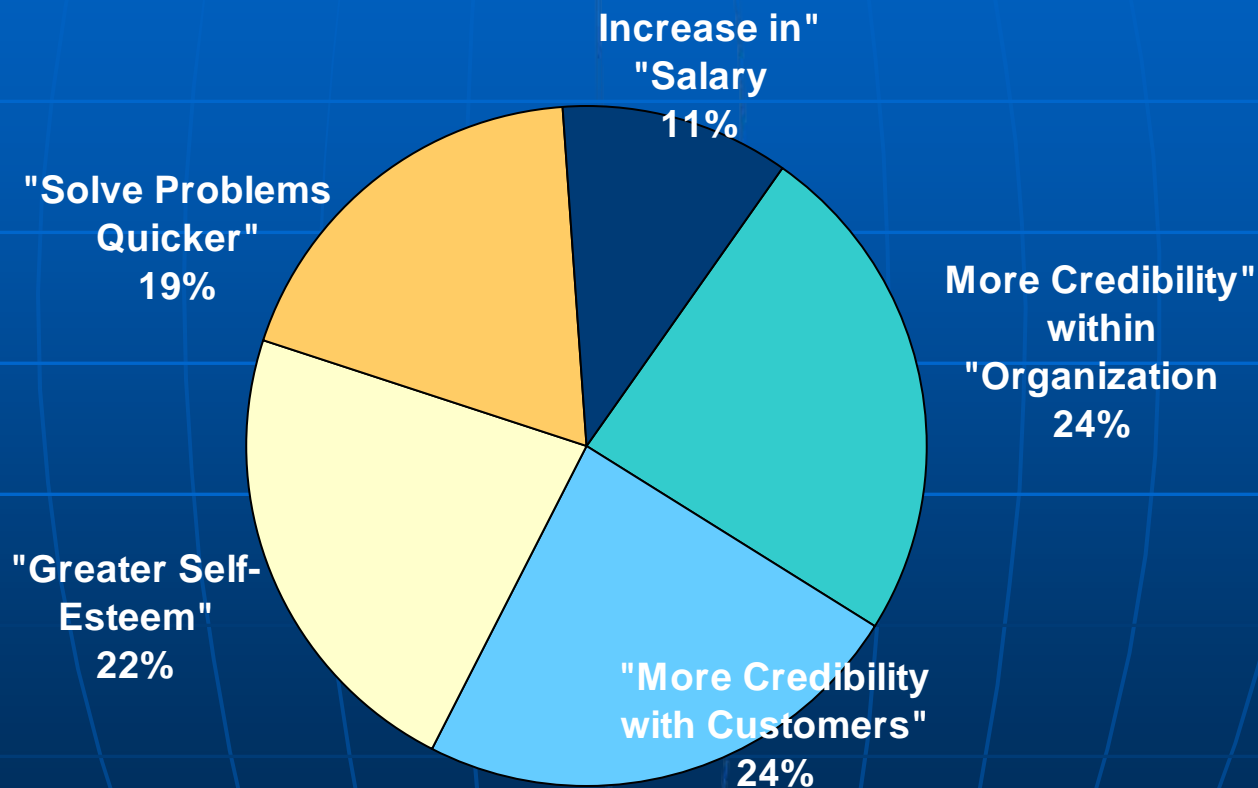


Why People Certify

Professional Growth
Consultants
Contractors
Job Hunters
Promotion Seekers
Credentials
Self-Assessment
Professionalism
Challenge



Primary Achievement Resulting from Certification



Career Growth

- Many consulting firms pay bonuses averaging \$5,000 for those who achieve professional certifications
- Large corporations typically reimburse employees for review course, testing, etc. and many provide bonuses from \$100 to \$1,000+
- Government agencies pay for training, exams, provide bonuses, and some give permanent salary increases (up to 15%)
- Surveys consistently show that certified individuals
 - earn more than their counterparts and
 - hold more advanced positions

AMERICAN COUNCIL ON EDUCATION (ACE)

**ACE awards undergraduate college credits
for achievement of the ICCP exams**

9 credits for the Core Examination

3 credits for most of the expert specialty examinations (data exams not
yet evaluated for ACE credit)

4 credits for Microcomputers and Networking

2 credits for Procedural Programming

Data & Information Quality Exam Topics (free beta exam)

1.0 Data & Information Quality Concepts, Processes & Roles (20%)

1.1 Concepts and Business Drivers

1.2 Data & Information Quality Organizational Roles

2.0 Data & Information Quality Audit Process (30%)

2.1 Data & Information Quality Assessment

2.2 Data Profiling Analysis

3.0 Data & Information Quality Remediation (30%)

3.1 Cleanup Methods

3.2 Process Improvement

4.0 Ongoing Data & Information Quality Activities (20%)

4.1 Data Certification Process

4.2 Data Governance Framework

Discussion

For CDMP Program Information:

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The DAMA website is www.dama.org

For ICCP Exam Administration:

ICCP office at: office@iccp.org or go to www.iccp.org