CDMP Overview

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VP PROFESSIONAL DEVELOPMENT (DAMA-I)

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Data Management Disciplines (DMBoK 2)

- Data Management covers considerably more than Documents and Records management

- Data Governance is at the centre

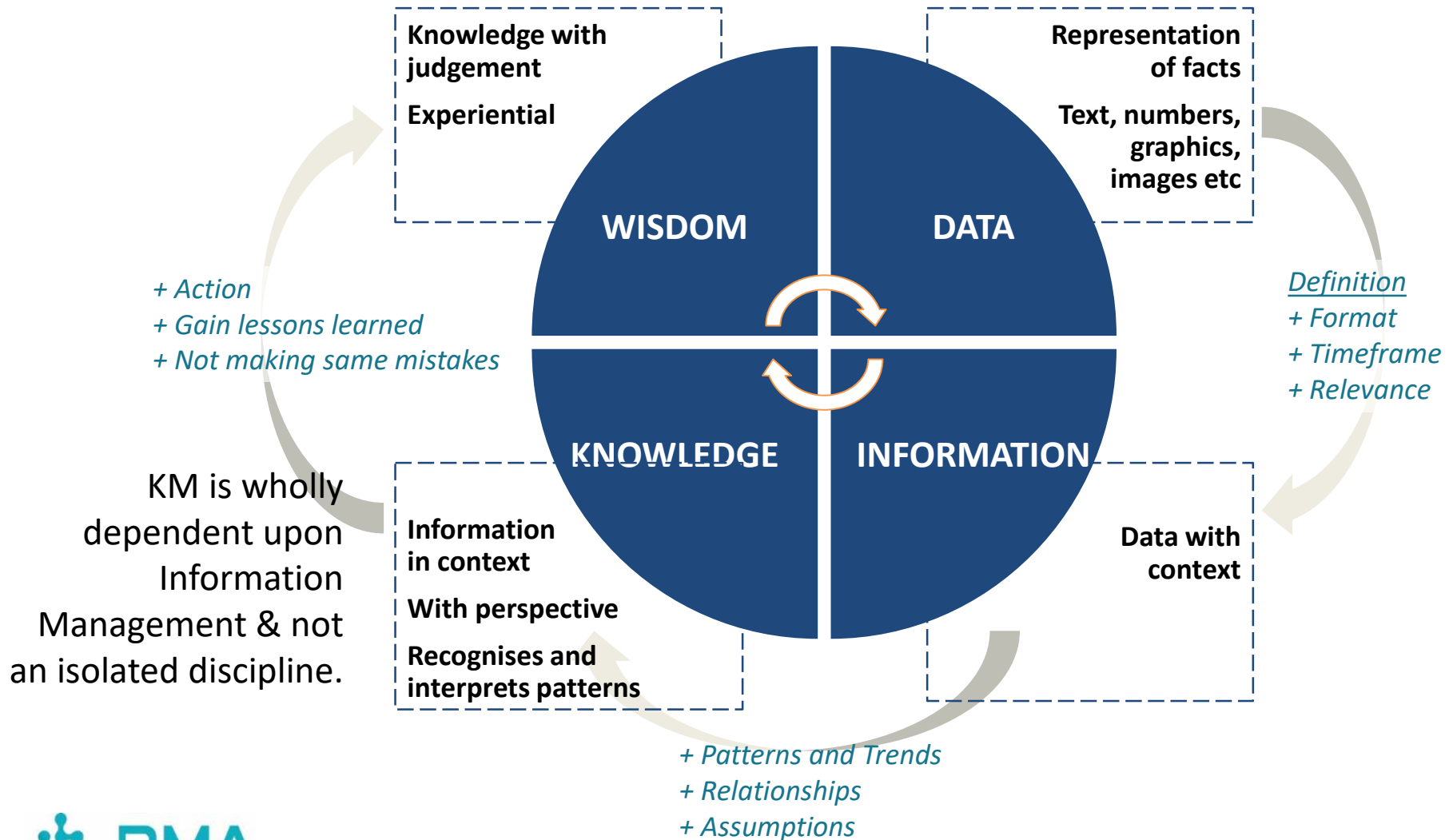- Data Management is a **professional** discipline which requires training & awareness

DATA GOVERNANCE
- › Strategy
- › Organisation & Roles
- › Policies & Standards
- › Issues
- › Valuation

DATA QUALITY MANAGEMENT
- › Specification
- › Analysis
- › Measurement
- › Improvement

DATA ARCHITECTURE MANAGEMENT
- › Value Chain Analysis
- › Related Data Architecture
- › Lifecycle Management

DATA MODELLING
- › Enterprise, Conceptual & Logical Data modelling
- › Analysis
- › Database Design
- › Implementation

DATA STORAGE & OPERATIONS MANAGEMENT
- › Acquisition
- › Recovery
- › Tuning
- › Retention
- › Purging

DATA SECURITY MANAGEMENT
- › Standards
- › Classifications
- › Administration
- › Authentication
- › Auditing

DATA INTEGRATION & INTEROPERABILITY
- › Integration Patterns
- › Applicability
- › Data in motion
- › Challenges

DOCUMENT & CONTENT MANAGEMENT
- › Acquisition & Storage
- › Backup & Recovery
- › Content Management
- › Retrieval
- › Retention

REFERENCE & MASTER DATA MANAGEMENT
- › External Codes
- › Internal Codes
- › Customer Data
- › Product Data
- › Dimension Management

DATA WAREHOUSE & BUSINESS INTELLIGENCE MANAGEMENT
- › DW Architecture
- › Implementation
- › Training & Support
- › Monitoring & Tuning
- › Big Data

META DATA MANAGEMENT
- › Architecture
- › Integration
- › Control
- › Delivery

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Environmental Elements

- Data Management does not exist in a vacuum
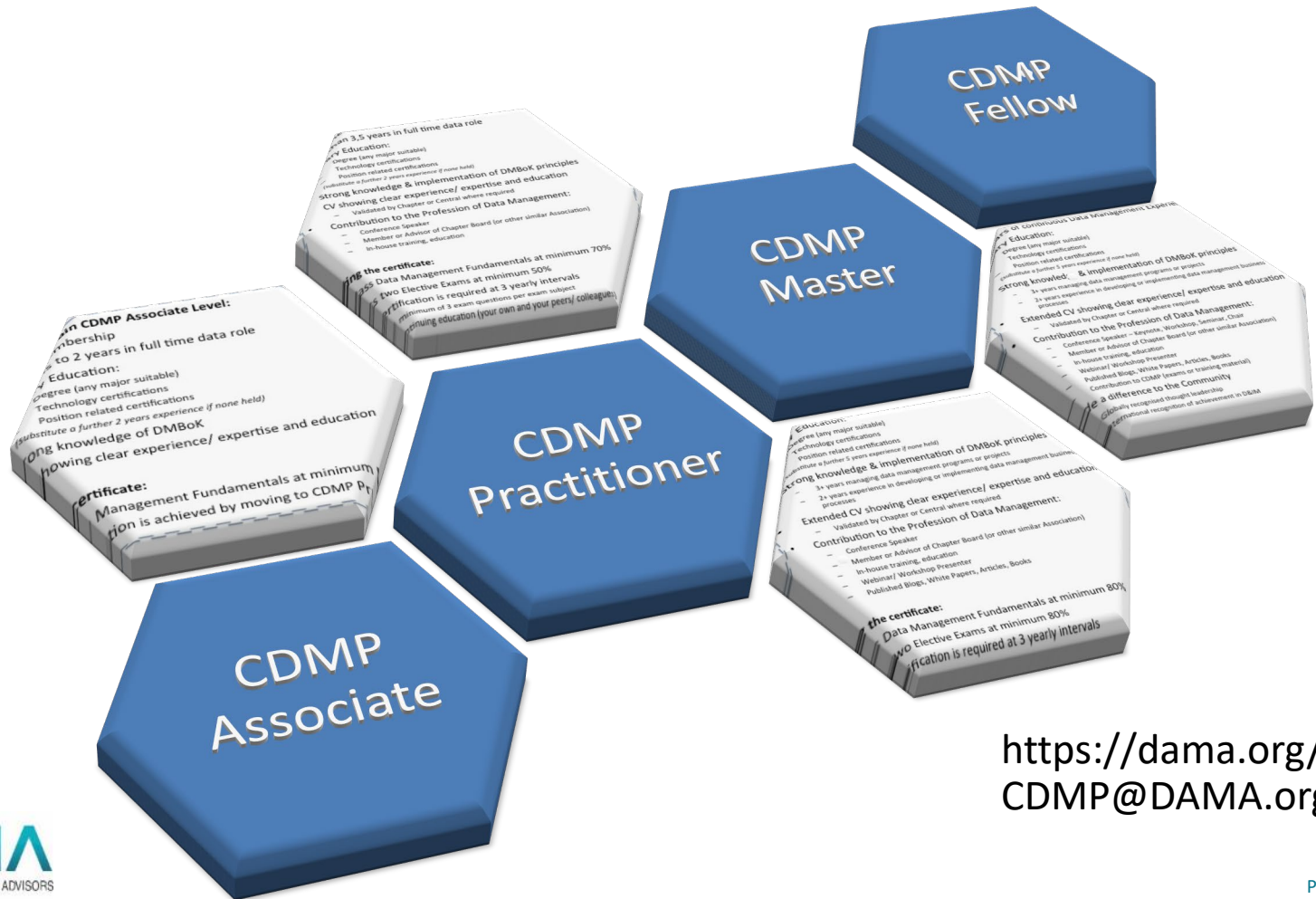
- Many environmental elements cross all of the disciplines

It's NOT just about technology

ORGANIZATION & CULTURE
- Critical Success Factors
- Reporting Structures
- Management Metrics
- Values, Beliefs, Expectations
- Attitudes, Styles, Preferences
- Rituals, Symbols, Heritage

TECHNOLOGY
- Tool Categories
- Standards and Protocols
- Section Criteria
- Learning Curves

ACTIVITIES
- Phases, Tasks, Steps
- Dependencies
- Sequence and Flow
- Use Case Scenarios
- Trigger Events

GOALS & PRINCIPLES
- Vision and Mission
- Business Benefits
- Strategic Goals
- Specific Objectives
- Guiding Principles

PRACTICES & TECHNIQUES
- Recognized Best Practices
- Common Approaches
- Alternative Techniques

DELIVERABLES
- Inputs and Outputs
- Information
- Documents
- Databases
- Other Resources

ROLES & RESPONSIBILITIES
- Individual Roles
- Organizational Roles
- Business and IT Roles
- Qualifications and Skills

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Data, Information and Knowledge

Knowledge with judgement

Experiential

Representation of facts

Text, numbers, graphics, images etc

WISDOM

DATA

+ *Action*
+ *Gain lessons learned*
+ *Not making same mistakes*

Definition
+ *Format*
+ *Timeframe*
+ *Relevance*

KNOWLEDGE

INFORMATION

KM is wholly dependent upon Information Management & not an isolated discipline.

Information in context

With perspective

Recognises and interprets patterns

Data with context

+ *Patterns and Trends*
+ *Relationships*
+ *Assumptions*

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CDMP – Career Path

https://dama.org/
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Value of the CDMP?

Individual Benefits:

- Professional Development Milestones
- Continuous Professional Growth
- Internationally Recognized Measurement of Accomplishment
- Greater credibility and recognition in the marketplace
- May be a requirement in some areas

Value of the CDMP?

Organizational Benefits:

- A benchmark for assessing Data Management practices

- Increased trust in your Data Management team

- Employee development

- Demonstration of commitment to quality standards

- Raise awareness of the importance of Data Management disciplines to the organization

CDMP Levels

	Associate	Practitioner	Master	Fellow
DAMA Membership	Central	Central	Central	Central
Practical Experience — **Guideline[2]**	6 months > 5 years	2 years – 10 years	10 years minimum[2]	Over 25 years[2]
Practical Experience — **Maximum**	N/A[1]	N/A[1]	N/A[1]	N/A[1]
Exams	1 DM Fundamentals	3 DM Fundamentals + 2 specialist	3 DM Fundamentals + 2 specialist	Globally recognised & respected thought leadership
Allowable substitutions[3]	No	1	1	Significant contribution to Data Management Profession
Pass Mark	60%	70%	80%	CDMP Master Contribution to CDMP & DMBoK
Route	Register & take exam	Register & take exams	Register & take exams. Evidence experience. Submit case study.	By nomination

1. Individuals are welcome to remain at any level without pressure to go upward. You can decide what level you want to be and if you wish to proceed further.
2. Industry experience is a *guideline* for taking the certification. For Master, a minimum level of experience is required.
3. One allowable substitution certification(up to 30 September 2019) is permitted for an elective exam at either Practitioner or Master level.

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CDMP Exam Prices

Item	Member
All CDMP exams (taken at conferences, training events, chapters etc.)	$300
Online proctoring fee	$11
Substitute examination administration	$100
CDMP Renewal	$100
Exam re-take	$200

Transfers of exams/ membership from one individual to another are not permitted

All exams are taken online only (classroom proctored or online proctor)

Online or chapter-led proctoring requires full payment up front

Online proctoring available from May 1st 2019

Please watch out at various international DAMA-I endorsed conferences for exam proctoring and preparation workshops with Pay If You Pass offers.

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Every question / every distractor referenced

Stem	Key (Answer)	Distractor 1	Distractor 2	Distractor 3	Distractor 4
Plant Equipment (e.g. a tractor) is an example of	Master Data	Reference Data	Transaction Data	Inverted Data	Growing data
Reference Data	Usually has fewer attributes than Master Data	Is also known as External data	Usually has more attributes than Master Data	Is more difficult to Govern than Master Data	Is free
According to the DMBoK, the system that contains the "best version" of the Master Data is the	System of record	Golden record	Source system	Consuming system	Spoke

	DMBOK Reference	Key (Answer)	Distractor 1	Distractor 2	Distractor 3	Distractor 4
	1.3.1	Data about Plant equipment is likely to be used in multiple contexts, such as works control, financial management and operations scheduling.	Plant equipment exists as a real object, Reference Data classifies and categorises real world objects.	Reference data is generated by a third party or changes very slowly. The plant register will need to be actively maintained.	This is looking at the problem the wrong way.	Plants, growing,….. Get it?
	1.3	Reference data (for example the list of customer types) usually has less attributes that master data (for example customer). See Reference and Master Data 1.3.1.	While much of reference data may be externally sourced and maintained outside the organisation, reference data within the organisation (for example internal customer types) is not external (see Reference and Master Data 1.3.2).	Reference data (for example the list of customer types) usually has less attributes that master data (for example customer). See Reference and Master Data 1.3.1.	Reference data is usually easier to govern as it is slow changing and often externally defined (see Reference and Master Data 2.2.5).	"Nothing in life is free." Reference data may not change very often, but its impact is often enterprise wide (even beyond the enterprise to external stakeholders). Changes may not happen often, but they can be very expensive (see Reference and Master Data 2.2.1).
	1.2	This is the definition (see Reference and Master Data 1.2).	The Golden record is a name for the single record of truth, which may be found in the system of record (see Reference and Master Data 1.3.3.2).	The source system is not necessary the master data system for the enterprise (see Reference and Master Data 1.3.3.2).	The consuming system is not the master data system for the enterprise (see Reference and Master Data 1.3.3.1).	This is the name for a System of Reference, where master data exists, but it is not mastered there (Sysetm of record). See Reference and Master Data 1.3.3.1.

CDMP Portal

Exam Platform

Exam Platform

Exam Platform

Question 3   1 pts

Which of these are NOT true of Data Governance??

○ DG is a continuous process of data improvement

○ A DG initiative should always be led by the IT department

○ IT is a key stakeholder in DG

○ There are different organization models for DG

○ DG is the exercise of authority and control over the management of data assets

Question 4   1 pts

What are the primary responsibilities of a data steward?

○ Identifying data problems & issues

○ The manager responsible for writing policies and standards that define the data management program for an organization.

○ Analyzing data quality

○ A business role appointed to take responsibility for the quality and use of their organization's data assets.

○ The data analyst who is the subject matter expert (SME) on a set of reference data.
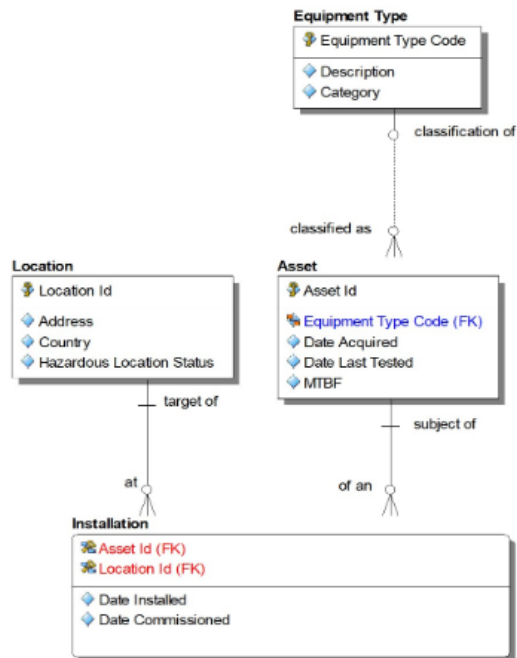
Exam Platform
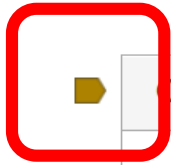
Question 5	1 pts

Which of these does NOT characterize an effective data steward?

- ○ Is a recognized subject matter expert in the data subject area / business domain that he or she is responsible for
- ○ Is a highly experienced technical expert in a variety of data management disciplines & tools
- ○ He / She works in association with the Data Owner to protect and enhance the data assets under his or her control
- ○ He / she works collaboratively across the organization with data stakeholders and others Identifying data problems & issues
- ○ He / She is an effective communicator

- Flag a question to come back to

- **But <u>always</u> give an answer NOW**

Multimedia Questions:

Question 4

Equipment Type
- Equipment Type Code
- Description
- Category

classification of

classified as

Location
- Location Id
- Address
- Country
- Hazardous Location Status

Asset
- Asset Id
- Equipment Type Code (FK)
- Date Acquired
- Date Last Tested
- MTBF

target of

subject of

at

of an

Installation
- Asset Id (FK)
- Location Id (FK)
- Date Installed
- Date Commissioned

This data model tells us that:

○ An Asset cannot be installed at a Location where it has already previously been installed at

○ Location ID's can become duplicated

○ Installation is a Boolean entity

○ Installation is an independent entity

○ Asset's inherit the Equipment Type Code to help identify them

Question 1

Which modelling notation is this data model using?
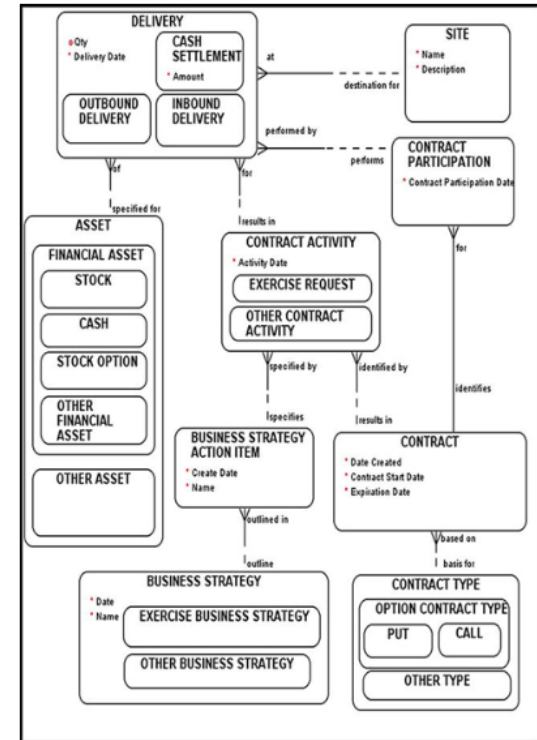
○ UML Class Diagram

○ IDEF1X

○ Barker

○ Information Engineering

○ Chen

Module breakdown: DM Fundamentals

Data Management Process	2%
Big Data	2%
Data Architecture	6%
Document & Content Management	6%
Data Ethics	2%
Data Governance	11%
Data Integration & Interoperability	6%
Master & Reference Data Management	10%
Data Modelling & Design	11%
Data Quality	11%
Data Security	6%
Data Storage & Operations	6%
Data Warehousing & Business Intelligence	10%
Metadata Management	11%

Module breakdown: Data Quality

1	DQ Activities	11%
2	DQ Business case	12%
3	DQ Dimensions	11%
4	DQ Fit for purpose	12%
5	DQ Introduction	10%
6	DQ management	11%
7	DQ Operations	11%
8	DQ Statistical approaches	11%
9	DQ Tools & Templates	11%

CDMP Statistics

Trial	February 2019
EDW19 & DMZ Australia	March 2019
Full go-live	1-April April 2019
Online Proctoring	1-May 2019

Data Management Fundamentals	267
Online Proctoring (HonorLock)	15
Data Governance	28
Data Modelling	11
Data Quality	20
Metadata Management	7

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CDMP Renewal

3 years of DAMA-I membership is included with the first CDMP examination fee ($300 for any exam).

CDMP Certificates are valid for 3 years before CDMP renewal is required.

From year 4 forward, $50 will be charged to renew certification and $50 retain membership in DAMA Central.

CDMP renewal is based upon:

- Evidence of Continuous Professional Development (CPD). This is evidenced via submitted experience log-books that are:
    a) GDPR compliant and
    b) checked by CDMP administration
- Payment of the renewal fee

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CDMP Associate

- 1 exam – Data Management Fundamentals

- Based upon DMBoK2

- Associate pass mark 60%

- Immediate award of Associate for passing DM Fundamentals with 60%+ pass

- DM Fundamentals Question pool with difficultly ranking on questions

  60% Associate, 20% Practitioner, 20% Master

CDMP Practitioner

3 exams

- Data Management Fundamentals (70% required to pass)
- Specialist exams (70% required to pass)

Specialist Exams (each)

- 100 questions
- 90 minutes (+20 mins where English is 2nd Language)
- 70% to pass

Specialist Exams (4 from March 2019, next 2 June 2019)

- Data Governance 03/2019
- Data Modelling 03/2019
- Data Quality 03/2019
- Metadata 03/2019
- Data Integration 06/2019
- DW / BI 06/2019
- Master & Reference Data 09/2019

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CDMP Master

3 exams

- Minimum 10 years Data Management experience
  (Evidence of experience reviewed by CDMP Fellows)

- Data Management Fundamentals (80% required to pass)

- 2 Specialist exams (80% required to pass)

Specialist Exams (each)

- 100 questions
- 90 minutes (+20 mins where English is 2nd Language)
- 80% to pass

Specialist Exams (4 from March 2019, next 2 June 2019)

- Data Governance 03/2019
- Data Modelling 03/2019
- Data Quality 03/2019
- Metadata 03/2019
- Data Integration 06/2019
- DW / BI 06/2019
- Master & Reference Data 09/2019

CDMP Allowable substitutions

1. TOGAF
2. Zachman
3. Prince2
4. PMP
5. TDWI- CBIP / CBAP
6. ISC2 - CISSP
7. BCS / ACS - DMSG
   (Data Management Specialist Group)
8. MSc Information Management
9. MBA / Informatics
10. IRMS – CDGP / CIP
11. AIIM – CIP
12. ICCP – CDP
13. ISACA - CISA, CRISC, CISM

A maximum of 1 substitute certification is permitted for 1 specialist examination module evidenced by certificates / pass levels & payment of admin fee.

The networking, hardware, & desktop certifications & the vendor-specific certifications are not applicable here (CNA, Oracle, MCE, etc.)

Allowable Substitutions allowed until Sept 30, 2019.

13 allowable substitution certifications are permitted until Sept. 30th, 2019. From 30th September NO substitutions are accepted in DMBoK2 Knowledge Areas where CDMP specialist exams are developed. Allowable substitutions are ONLY allowed in DMBoK2 Knowledge Areas / Environmental Factors where no specialist exams are present. Future substitutions will be determined by the substitutions working group by June 1st 2019. Where substitutions ARE permitted (from 30th March onwards), an administration fee of $100 is payable.

CDMP Badges

- Exam platform awards badges for passing CDMP certifications.

- You can put these badges on your CV, LinkedIn, Twitter, Facebook or even Pinterest.

- Badges are not just an image.

- Badges carry metadata that can be verified.

- EG, you can send your badge to a prospective employer who can verify that your CDMP certification is authentic and valid.
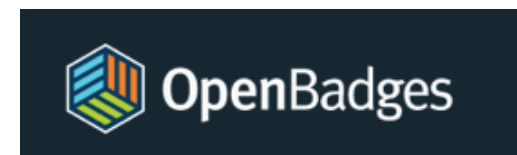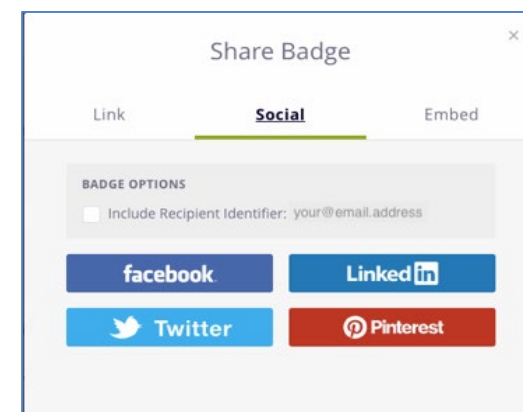
CDMP Badges

- Badges are part the global movement called the "OpenBadges" specification.

- Started in 2010 by Mozilla, it has expanded to include millions of Open Badges awarded to hundreds of thousands of recipients & supported by certification players such as The Open Group, PMI, Microsoft and IBM.

- Part of the open badges specification & community are public verification authorities that you can use to independently verify your badges are authentic as required.

- In addition to CDMP badges, accumulate badges for certifications including TOGAF, Prince II, MCSE, PMP & PMI.
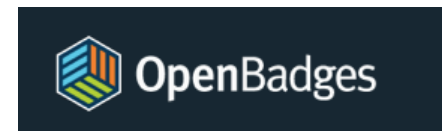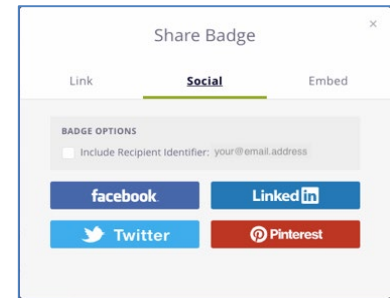
2019 Goals (BoD March 2019)

- Post EDW release CDMP to global community
Target 1st May 2019
- Deliver the remaining CDMP specialist examinations by Q2/Q3
  1. DW/BI
  2. Data Integration & Interoperability
  3. Master & Reference Data

- Relaunch bootcamps
- Establish relationships with Academia (several Universities warmed up)
- Release online and chapter training
- Streamline renewals

- Release specialist exams for the missing DMBoK 2 Knowledge Areas – eg Master & Reference Data
- Convene regular questions refresh process
- Add multimedia questions
- Translate to other language(s)

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