



Approach and Principles Topic 2 - 2.4

What is DSDM?

It is an Agile Project Delivery Framework that delivers the right solution at the right time. Features include:

- Any kind of project
- Focused on business benefit
- On-time and in budget
- Quality and rigour
- Incremental
- Collaborative

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DSDM – The History

The 1994/5 Dynamic Systems Development Method (DSDM) was written as a Framework for Business Centred Development. It focuses on delivering on time and in budget, as well as keeping quality.

It brought together best practices from the combined experience of DSDM Consortium members, including many “blue-chip” companies. It was vendor-independent and became a standard, worldwide.

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The History of DSDM

DSDM Consortium formed
DSDM V1
(V2 1995)

1994/5

DSDM V4
(2002)
Published online V4.1
(2003)

1997

DSDM V3

2002/3

Agile Manifesto signed
2001
(DSDM = signatory)

2006

DSDM made
free to view
free to use

2007


DSDM V4.2
Published Online


2008

DSDM Agile
Project
Management
Framework
V6

2014

DSDM
Altern
V5

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The Structure of DSDM

Philosophy

Principles

Process

People

Products

Practices

Common sense and pragmatism

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The Philosophy

Two important points to consider are:

- Any project must be aligned to clearly defined strategic goals;
- Any project must focus upon early delivery of real benefits to the business.

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The Philosophy - 2

This is best achieved when key stakeholders ...

Understand the business objectives

Are empowered to an appropriate level

Collaborate to converge on the best possible solution, in agreed timescale, according business priorities

Accept that change is inevitable

Are prepared to deliver a fit for purpose solution

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...Not just software!



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The Benefits of DSDM

The advantages of DSDM are:

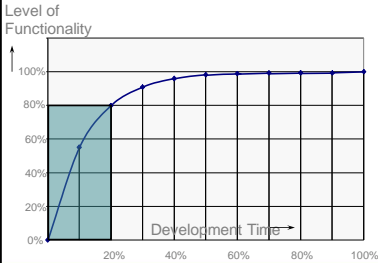
1. User ownership of the system is more likely
2. Reduced risk of building the wrong system
3. The final system is more likely to meet the users' real business requirements
4. Users will be better trained
5. Deployment is more likely to go smoothly

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The 80/20 Approach



Fundamental Assumption:
Nothing is built perfectly first time, but 80% of the solution can be produced in 20% of the time it would take to produce the total solution.

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A Question of Balance

A balance scale is shown with two pans. The left pan is labeled 'Speed' and the right pan is labeled 'Risk Reduction'. The scale is balanced.

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Components of a Business Solution

A diagram showing 'Business Objectives' in a box at the top, with a downward arrow pointing to three boxes below: 'People', 'Process', and 'Technology'. Arrows also point from 'People' to 'Process' and from 'Technology' to 'Process'.

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Flexible Requirements

The diagram compares two project management approaches. On the left, 'Traditional Approach' shows a triangle with 'Features', 'Time', and 'Cost' at the vertices and 'Quality' in the center. A dashed line labeled 'Fixed' connects 'Features' and 'Time'. On the right, 'DSDM Approach' shows a triangle with 'Time', 'Cost', and 'Quality' at the vertices and 'Features' in the center. A dashed line labeled 'Variable' connects 'Time' and 'Cost'. A double-headed arrow connects the 'Fixed' line of the traditional approach to the 'Variable' line of the DSDM approach.

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Prioritisation

DSDM uses the MoSCoW prioritisation model.

Concentrating approximately 60% of the project on the 'Must Have' requirements, and around 20% on the 'Could Have' requirements.

In scope for this timeframe
(Project / Increment / Timebox)

Must Have

Should Have

Could Have

Typically no more than 60% effort

Typically around 20% effort

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The 8 Principles of DSDM

1. Focus on business need

2. Deliver on time

3. Collaborate

4. Never compromise of quality

5. Build incrementally from firm foundations

6. Develop iteratively

7. Communicate continuously and clearly

8. Demonstrate control

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DSDM - 5 Key Techniques

MoSCoW Prioritisation

Modelling

Facilitated Workshops

Iterative Development

Timeboxing

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Instrumental Success Factors (ISFs) - Reducing the risk

1. Acceptance of the DSDM philosophy before starting work

2. Appropriate empowerment of the Solution Development team

3. Commitment of senior business management to provide the necessary business roles' involvement

4. Incremental delivery

5. Access by Solution Development Team to business roles

6. Solution Development Team stability

7. Solution Development Team skill

8. Solution Development Team size

9. A supportive commercial relationship

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What Kind of Projects?

Visible functionality

Clearly defined user group

Requirements are not too detailed or fixed

Requirements can be prioritised

Not computationally complex or complexity can be decomposed or isolated

Can be Broken down

Time constrain

Project Approach Questionnaire

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Summary of DSDM – 1

DSDM is an Agile Project Delivery Framework that delivers the correct solution at the right time. The correct business solution is delivered because:

• The Project team and other significant stakeholders remain focused on the business outcome;

• Delivery is on time, which permits an early return on investment and reduced risk;

• All people involved with the project work collaboratively to deliver the optimum solution;

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Summary of DSDM – 2


- Work is prioritised according to business need and the ability of users to accommodate changes;
- DSDM does not compromise quality.

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Topic 2 – Approach and Principles

Any Questions?



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