Implementing Successful Solutions for e-Assessment

Stuart Jones
Assistant Director – Knowledge Systems

Improving learning through technology

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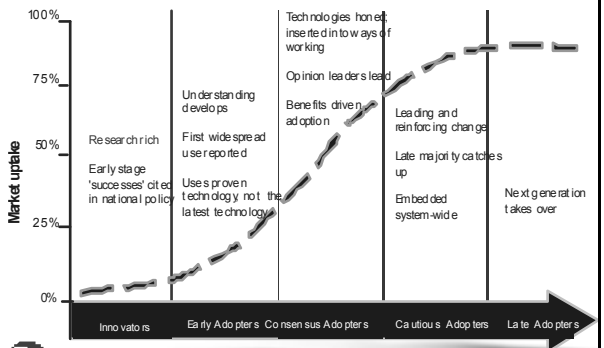
Technology Adoption Curve



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Migration vs Transformation

Radical Innovation

Assessment is increasingly focussed on learning and personalisation; which has resolved key issues such as e-portfolios and cross institutional transfer; and which has transformed content to assess 21st Century learning skills.

Paper based — Technology based

Assessments tend to be traditional, mostly focussed on examinations and institutional accountability. Most remain paper-based.

There is little investment in the development of assessment systems to support personalised learning.

Technology is used to migrate traditional assessments from paper to computer. This replicates the traditional assessment processes.

No Innovation

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Mind map

- ePortfolios
- Logistics
- Authentication and Security
- Personalisation
- Awarding bodies
- OST Implementation

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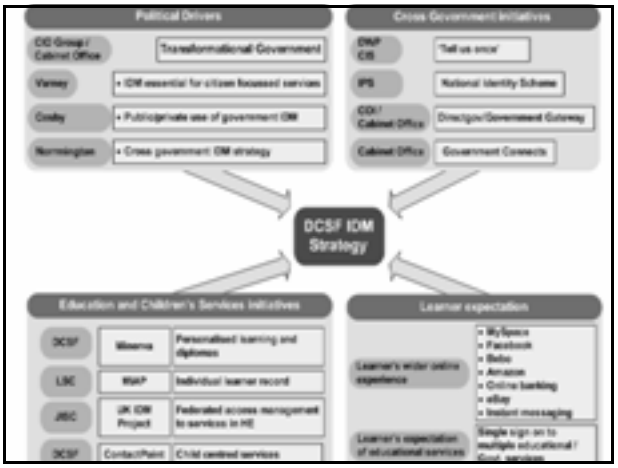

MIAP LEARNER RECORD PROTOTYPE - 3

Unique Learner Number (ULN)	1234567895	Address	8 Stratford Road
Title	Mr		Coventry
Forename	James		
Surname	Hill	Post Code	SE1 9SY
Middle Names	Gary	Date of Address Information	19/05/2005
Date of Birth	10/12/1982	Nationality	Great Britain
Place of Birth	Newcastle	Gender	Male

School	Local Authority	Subject	Level	Grade	Date of Exam Series	Nat Centre Number
Bridley Moor High School	Warwickshire	English	GCSE	A	Sum -1997	123456
Bridley Moor High School	Warwickshire	Drama	GCSE	B	Sum - 1997	123456
Bridley Moor High School	Warwickshire	French	GCSE	B	Sum - 1997	123456
Bridley Moor High School	Warwickshire	Biology	GCSE	C	Sum - 1997	123456
Bridley Moor High School	Warwickshire	Music	GCSE	C	Sum - 1997	123456
Knighton College of FE	Cheshire	Economics	A Level	A	Win - 1999	342678
Knighton College of FE	Cheshire	Psychology	A Level	D	Win - 1999	342678
Knighton College of FE	Cheshire	English	A Level	A	Sum - 1999	342678

Learning Provider Name	Learning Aim Title	Learning Aims Type	NVQ Level	Awarding Body Name	Learning Start Date	Learning End Date	Completion Status	Apprenticeship Completed	Learning Outcome
Barnsley Collegeof FE	NVQin Vehicle and BodyPaint Operators	Advanced Apprenticeship	Level3	City & Guilds of LondonInsttute	12/01/2005	31/08/2006	Completed	Yes	Achieved

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Modes of Usage

Assessment

Transition

Presentation

Learning

Functional need…

specific portfolio ⟷ generic portfolio

(easier) (harder)

Presentation
- File Import and export
- Style / wizard
- Audience and purpose
- Standards

Assessment
- Preferences
- Diagnostics - needs
- Formative
- Summative

Transition
- Course of study
- Next level of qualification
- Next phase or stage
- For employment / CPD

Learning
- Self assessment / evaluation
- Reflection
- Recording activity / progress
- Collaboration / sharing

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Top Ten Benefits (95 C&G Centres)

1. Improved assessment turnaround time
2. Improved student motivation
3. Improved consistency of quality of assessment
4. Improved quality standards
5. More improved transparent internal communication
6. Reduced trainer workload
7. Enhanced IT skills of learners and staff
8. Improved staff morale
9. Improved security and confidentiality
10. Saved money

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Security Functions & Services

- Registration
  - ID Authentication
  - Collection of core biographical details
- e-Portfolio Management
  - Update core biographical details
  - Add new contents
  - Register remote users
- Logon Authentication
  - 'Logon' - directly
  - Federation
- Consent Management
  - Who can see what - setting up
  - Manage access permissions (Access Control)
  - Policy - what functions / mechanisms need to be applied

} *Biometrics*

- Transfer Management
  - Transfer to another system (full/subset)
  - Collection of core biographical details
- Content Management
  - Ownership / Copyright / Intellectual Property Rights / Licence
  - Data integrity / Data cleansing / Virus protection / Backup and restore

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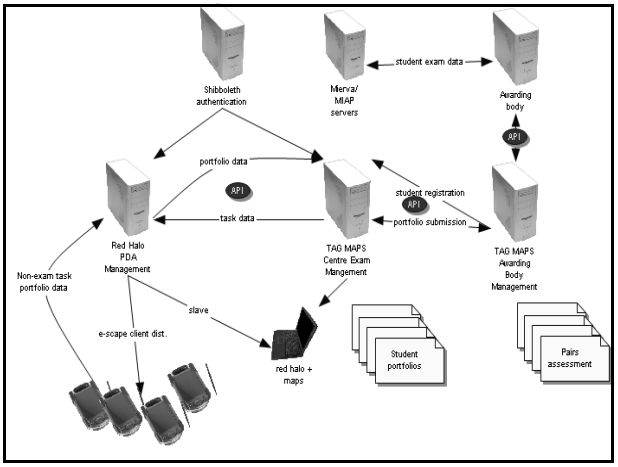

Further information

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