

National/International Skill Standards as a Means of Education Delivery and Assessment in Practice



Gateway Technical College & IBM— The Emergent Partnership

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Educational Delivery

Delivery of Education Content

Education Process -
10 Points of Education Delivery

For What Purpose?

Entry Level Specialists –
Help Desk

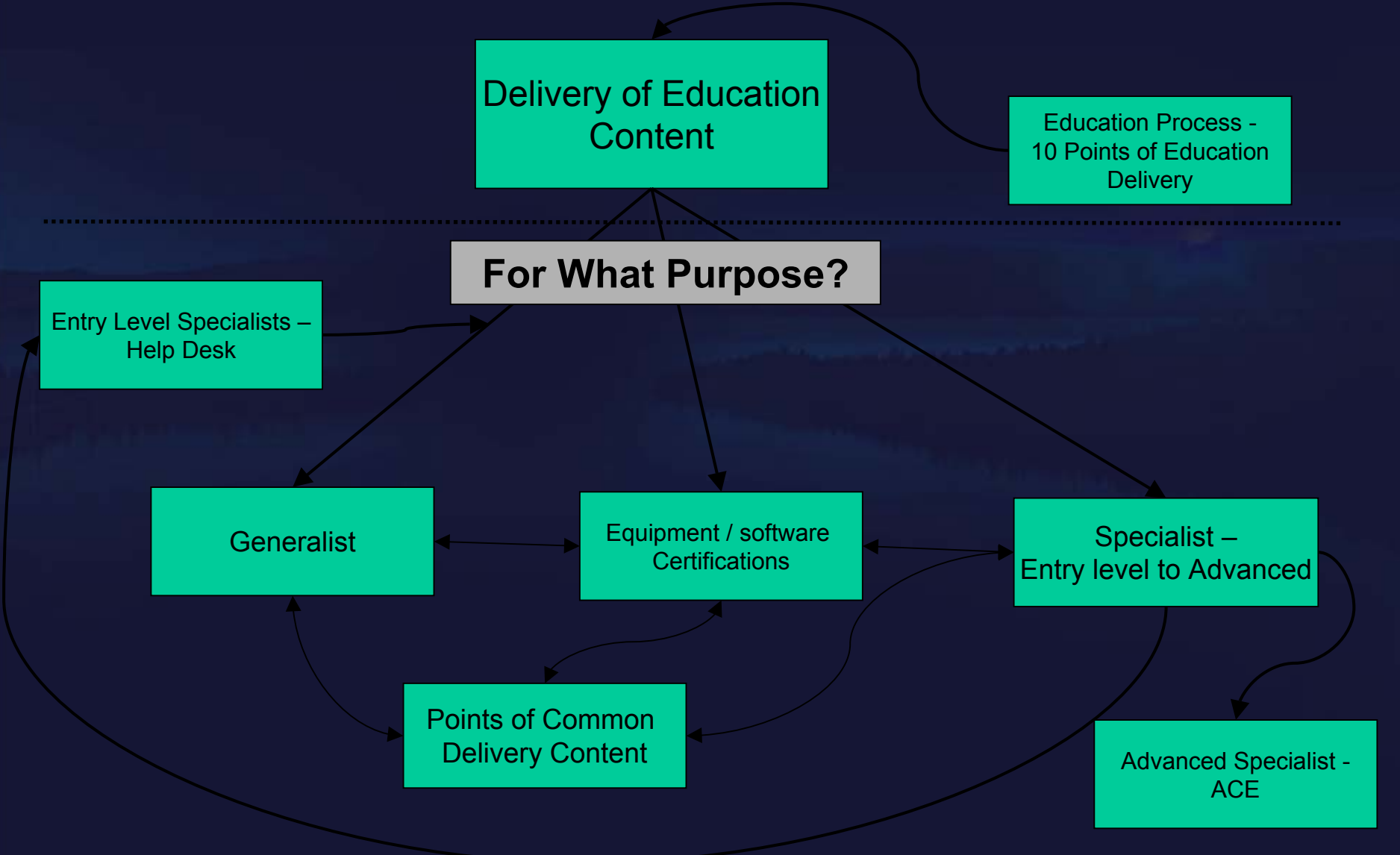
Generalist

Equipment / software
Certifications

Specialist –
Entry level to Advanced

Points of Common
Delivery Content

Advanced Specialist -
ACE





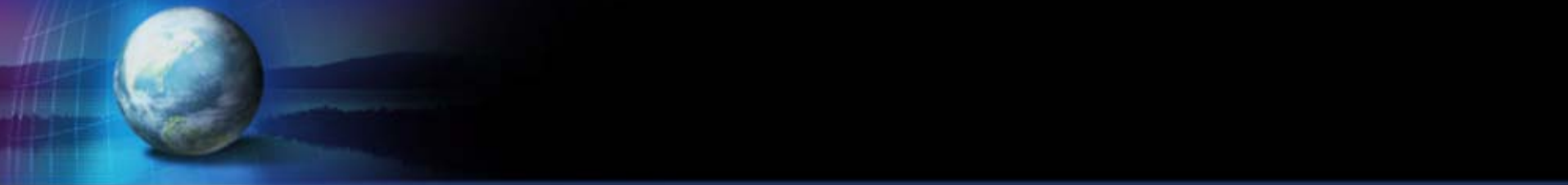
Elements for Success: Workforce Development Delivery Strategy

- 1) A policy endorsement
- 2) A system of standards
- 3) A system of assessment
- 4) An education program bridging the gap between standards and assessment
- 5) A program that is globally deliverable
- 6) A system that builds content knowledge
- 7) Technology backboned delivery systems



Elements for Success: Workforce Development Strategy

- 8) A system that provides the necessary R&D to deploy the latest in education delivery technology
- 9) A system of effective distribution centers
- 10) A system that qualifies and monitors retail outlets - “franchising” concept



A MODEL THAT CONTAINS
THESE TOP TEN
COMPONENTS:

Gateway / IBM ACE



Gateway / IBM ACE as a Model

- Policy Endorsement
 - Department of Labor and Department of Education funded projects
 - Alignment with global initiatives
 - Private business strategic planning



Gateway / IBM ACE as a Model

- A System of Standards
 - Global Skills Board
 - Manufacturers' standards
 - Industry level certifications
 - Certificates within the certificates/IBM ACE
 - eBusiness application developer
 - Targeted training needs in eBusiness/
ecommerce



Gateway / IBM ACE as a Model

- Assessment of Standard
 - Technology backbone and technology-based testing and assessment of the ACE program
 - Real-time monitoring
 - Possible revenue source
 - Example of an IBM online assessment
 - Referencing assessment results to standards in ACE
 - Module delivery adjustments
 - Linked to certifications



Gateway / IBM ACE as a Model

- Globally Deliverable
 - IBM ACE resides on our business partner's platform
 - Delivered any place/any time
 - Staff monitoring of progress and faculty interaction
 - Based on subsets of I.T. industry certifications
 - Future—Wireless access/e-learning environment



Gateway / IBM ACE as a Model

- Content Knowledge
 - I.T. content knowledge is IBM intellectual property
 - The further development into educational delivery bits and bytes is the responsibility of Gateway
 - The conversion to educationally acceptable formats



Gateway / IBM ACE as a Model

- The Technology Backbone
 - Resides on the servers and software systems of a global company - IBM
 - Architecture is a hub & spoke arrangement
 - IBM – the connectivity manager
 - Gateway is the place certain I.P. resides in terms of delivery and is the relationship (interconnection) manager



Gateway / IBM ACE as a Model

- R&D in Education Delivery
 - IBM has established an Emerging Business Opportunity (EBO) that is developing new technologies in education delivery
 - Gateway is providing Beta test sites for IBM initiatives
 - Publicly funded systems do not have the resources for non-revenue generating R&D



Gateway / IBM ACE as a Model

- A System of Distribution
 - Gateway as a hub
 - Other community colleges as the spokes – 1500 colleges in just about every Original Equipment Manufacturers (OEM)
 - Quality is a requirement for OEM's
 - Revenue sharing systems make the system work



Gateway / IBM ACE as a Model

- A System that Qualifies and Monitors Retail Outlets
 - Gateway qualifies colleges
 - Gateway monitors progress
 - Unlike other partnerships, there is real-time monitoring capability
 - Gateway assists colleges in navigating the approvals required by education approval agencies
 - IBM monitors outcomes, not processes
 - Gateway monitors processes



Is the Model Transferable?

- Automotive grant
 - Department of Labor and Snap-on Inc., NATEF
- Biotechnology Grant
- IBM/Abbott - Integrated Training Delivery
- Modine North America Training

