



PHIN Conference 5/15/2003 PHIN and Distance Learning: Learning at the Speed of Science

Moderator:

**Suzanne Smith, MD, MPH, MPA
Acting Director PHPPO**

SAFER • HEALTHIER • PEOPLE™

Session Objectives

- Discuss the current range of technology used to support and expedite public health preparedness education
- Describe examples of how these approaches have benefited this response to Anthrax, SARS and the implementation of the smallpox vaccination programs
- Demonstrate select learning management systems
- Describe current or potential relations of these technologies/systems to PHIN

Panelists

- Dennis McDowell: Director, DPDE and PHTN
- Stacy Baker: Director, Workforce Development & Health Capacity, PHF
- Paul Jesukiewicz: Executive Director, ADL Co-Lab
- Dave Potenziani: UNC School of Public Health
- Dr. Bill Kassler: State Medical Officer, NH

PHIN Supports

- Surveillance
- Epidemiology
- Alerting
- Response coordination
- Image sharing
- Public communication
- Vaccine Information Systems
- Disease Reporting
- Lab Testing
- Grants Management
- GIS
- Risk communication
- Public Health Directories

AND... PROFESSIONAL EDUCATION
Through Technology-Supported Learning



Learning at the Speed of Science

Technology-Supported Learning Systems: An Overview

Dennis McDowell, Director
DPDE, PHTN, CDC

SAFER • HEALTHIER • PEOPLE™



COMMUNICATIONS



*The Key to Making
Prevention a Practical Reality*



**So What's the
PROBLEM?**

Traditional Classroom Approach

- Economics
- Access
- Penetration
- Response
- Quality
- Geography



A new Approach

Public Health Training Network

VISION



A technology based life long learning system:

Any Any Any thing

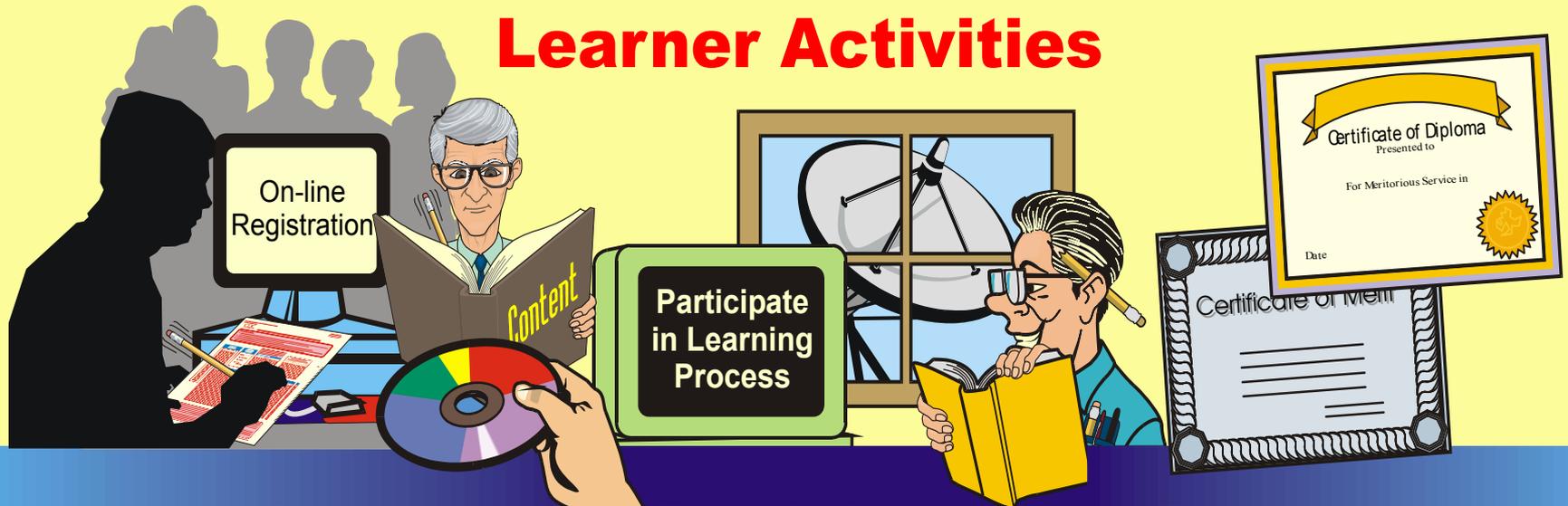
Any Any Any Any where

Any Any Any Any Any time

Any Any Any Any Any Any one

Public Health Lifelong Learning System Functional Architecture

Learner Activities



Select
Learning
Experience

Participate in
Learning
Process

Demonstrate
Required
Competency

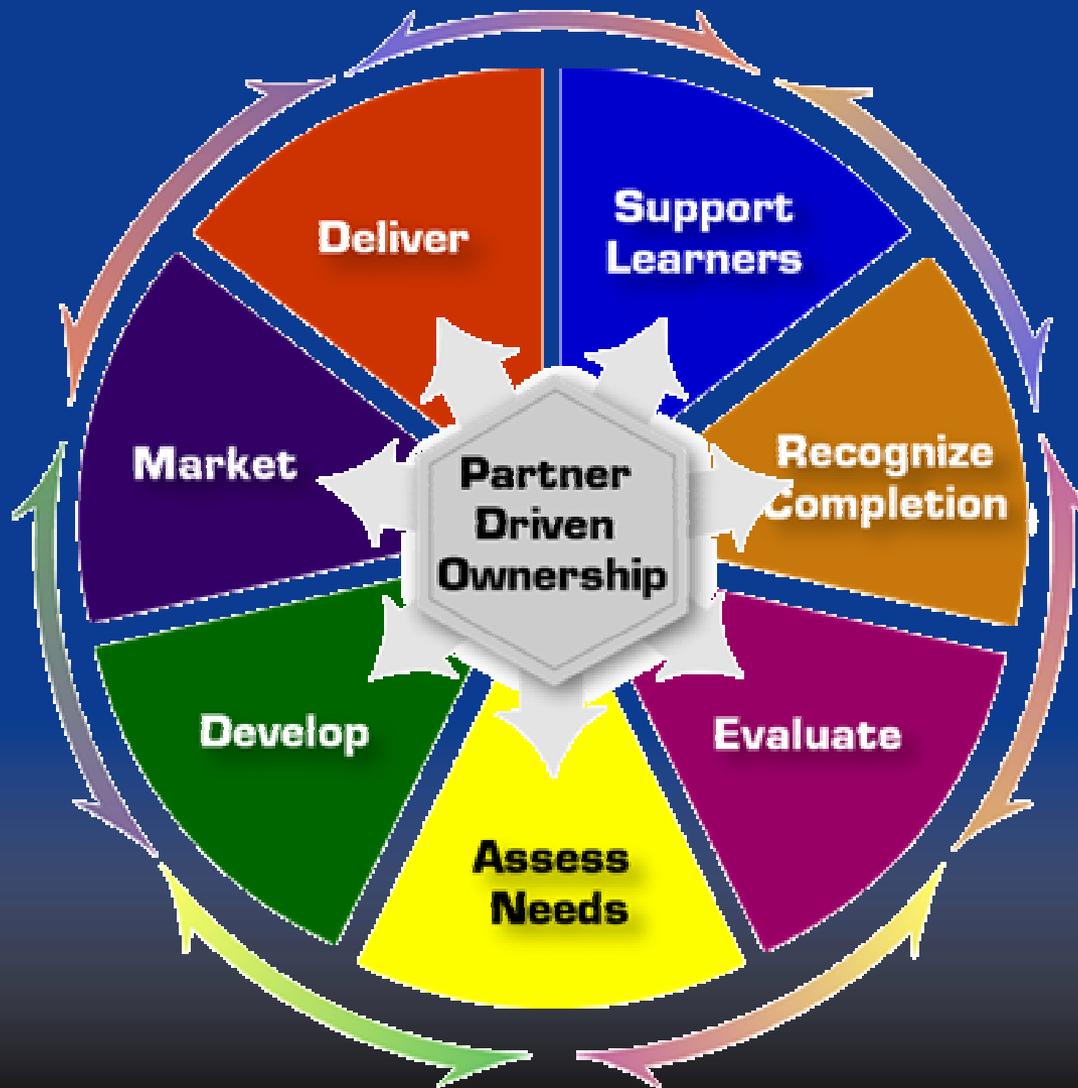
Network before you



Network

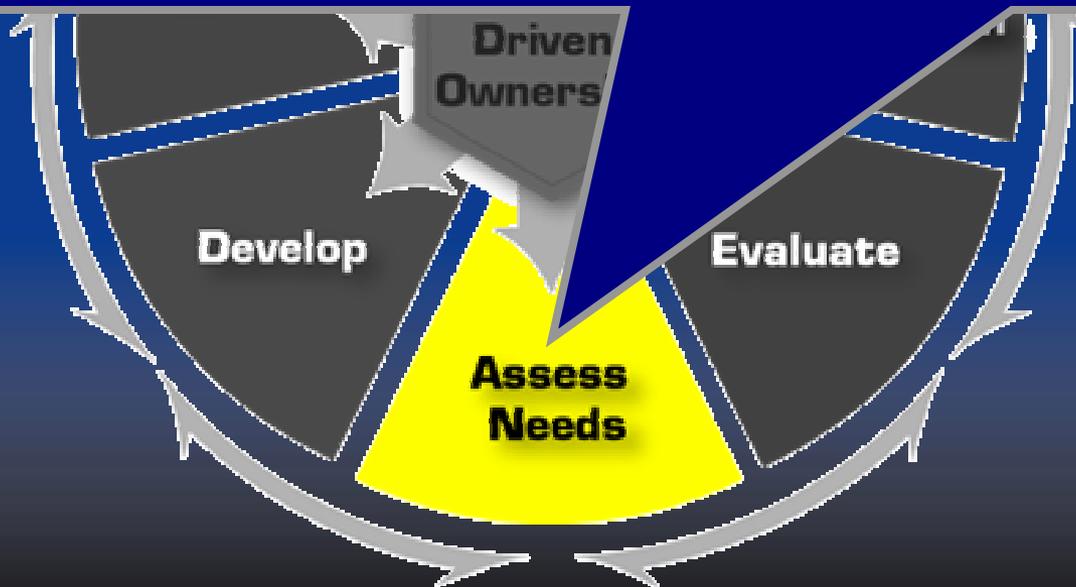


PHTN Distance Learning System



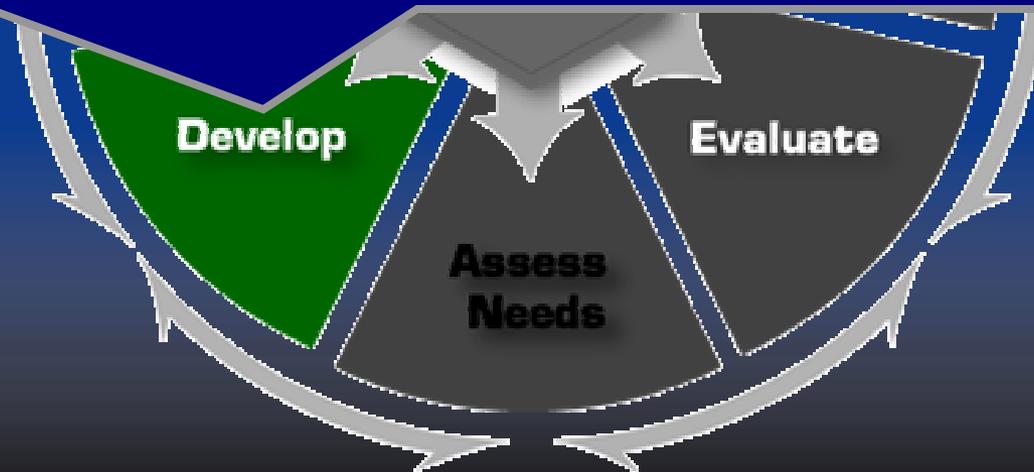
PHTN Distance Learning System

- Analyzing needs for training
- Prioritizing program/product development
- Assessing organizational readiness to implement distance learning initiatives
- **Electronic registration and Learning Management Systems**

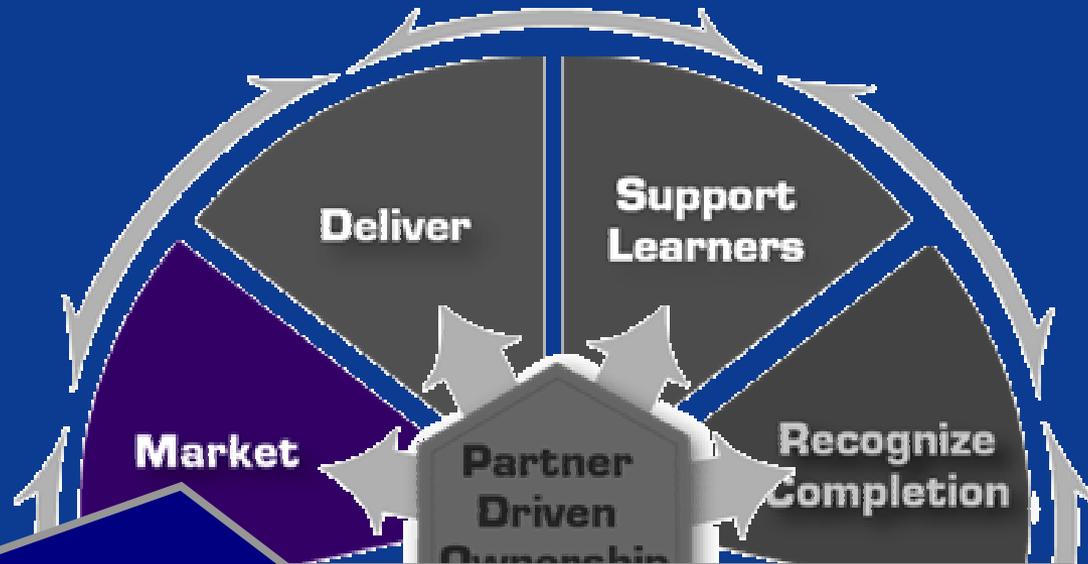


PHTN Distance Learning System

- Nationally recognized subject-matter experts
- Instructional design specialists
- Engaging, interactive, accessible, and reusable design
- Learner participation in product development
- Applying standards for accreditation, certification, and technical design
- **SCORM, ADA 508, blended media**

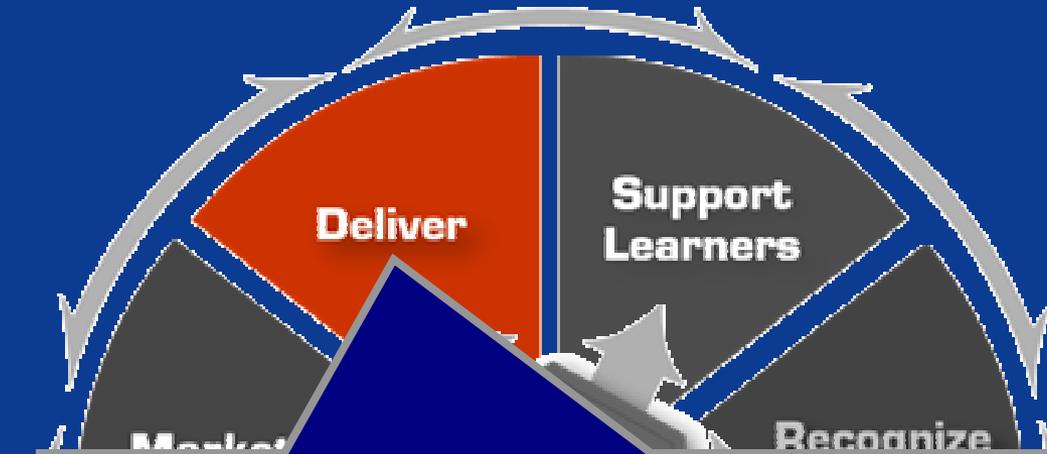


PHTN Distance Learning System



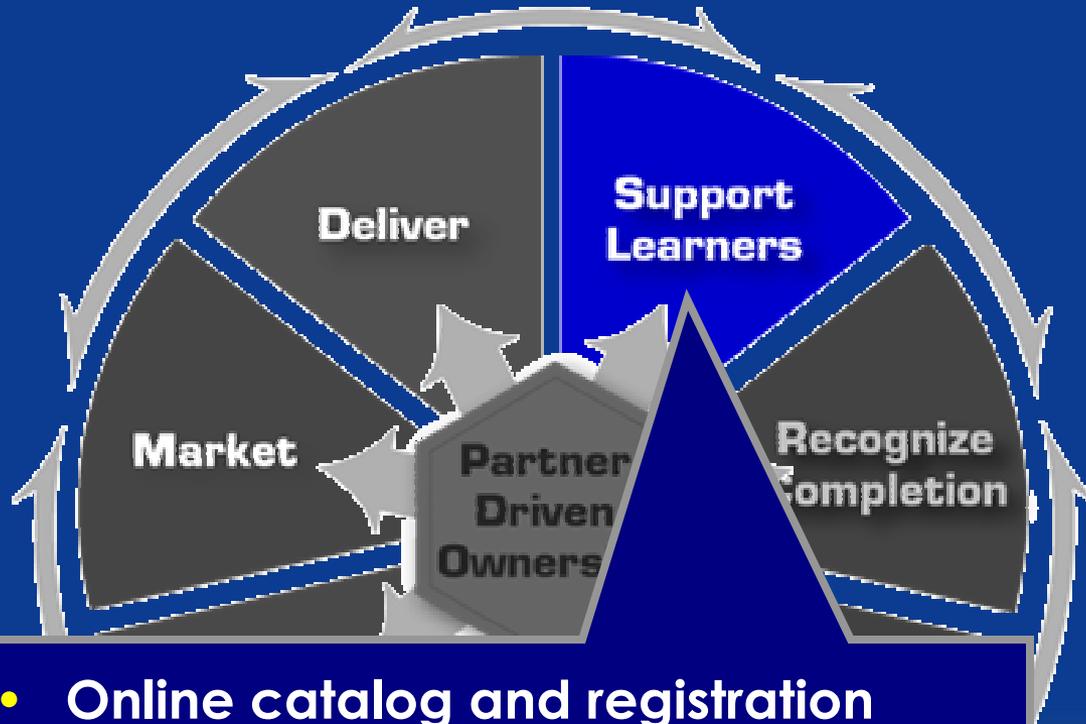
- Time sensitive program announcements
- Tailored promotion plan for each product
- Utilizing partner communication channels:
 - Educational institutions
 - Publications
 - Professional associations
 - Trade shows
- Email, list serves, “push tech,” LMS, digital dir

PHTN Distance Learning System



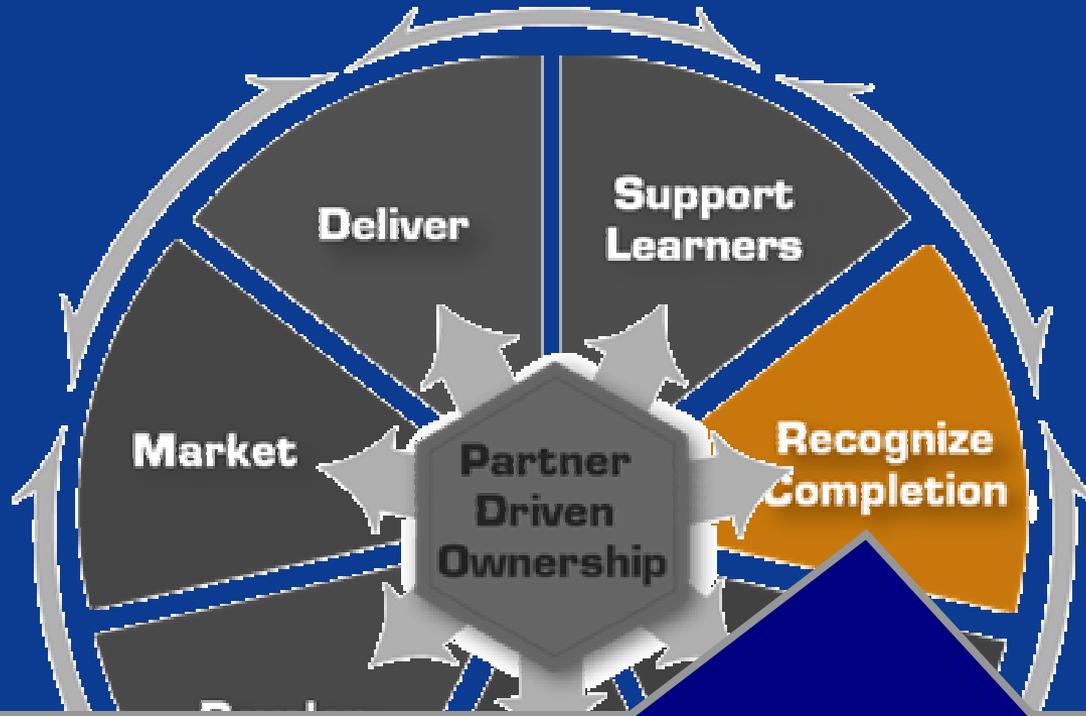
- Range of media to support interactive learning:
 - **Satellite videoconferencing**
 - **Computer-based training**
 - **Print-based self-instruction**
 - **Video tape**
 - **Web casting**
 - **Web-based instruction**
- **CM, LMS, KM, blended media, sync & async, non-linear**

PHTN Distance Learning System



- Online catalog and registration
- Distance learning coordinators
- Local learning communities
- Access to subject matter experts:
 - Locally
 - Electronically
- Chat rms, threaded discussion, LMS

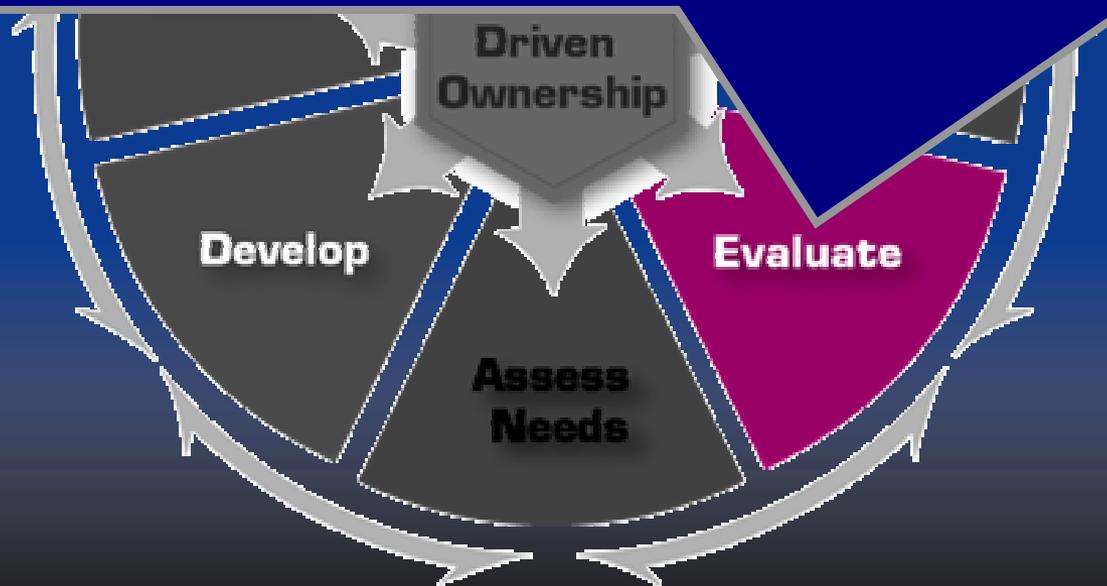
PHTN Distance Learning System



- Providing continuing education credits: CME, CNE, CHES, CEU
- Providing certification of course completion
- Delivering rapid feedback on individual performance
- Providing continuing education transcripts
- **Portable transcripts, readiness database**

PHTN Distance Learning System

- Focusing on: **Common data elements**
 - ⌘ Delivery ⌘ Learning outcomes
 - ⌘ Learner support ⌘ Program quality ⌘ Impact
- Looking for ways to improve the distance learning system:
 - ⌘ Efficiency ⌘ Effectiveness ⌘ Economically
- Driving improvements in our public health performance



PHTN Distance Learning System



- Providing leadership
- Managing collectively
- Adopting standards
- Coordinating and supporting operations
- Linking participants to programs
- **Portals, list serves, KM, evaluation data**