Intelligent Transportation Systems
U.S. Department of Transportation

ITS Learning: Going Forward

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What is ITS Professional Capacity Building?

- **Intent**
  - Expand the knowledge, skills and abilities of ITS workforce
  - Support major USDOT initiatives, regulations, etc.
  - Support ITS deployment and operations
  - Enlighten decision-makers and the public
  - Foster development of ITS professionals

What is ITS PCB? (cont.)

- **Scope**
  - Training
  - Education
  - Technical Assistance
  - Information Dissemination

→ ITS Learning

The Original PCB Business Model (1996-2005)

- Emphasized instructor-led training
  - Lots of short course development
  - Mostly instructor-led in the classroom
  - Needs assessment conducted every two years
- Advertised technical assistance options
  - U.S. Department of Transportation (USDOT) field staff
  - ITS Peer to Peer Program
- Made reference to a limited amount of archived data and documented findings
- Coordinated with outside institutions and organizations on a limited basis

Issues Needing Resolution

- Classroom training is underutilized
  - The customer base has changed
  - "One size doesn't fit all"
  - Time and accessibility are major impediments
  - Poor market penetration
  - "Fee vs. free"
- "Moving target" (I.e., frequent changes in technologies, initiatives and policies)
- Resistance to distance learning

The New Environment

- The world is in general more ITS savvy
  - More experience
  - More information and data
  - Greater buy-in with greater expectation
  - Stronger interest in keeping abreast of technology
- ITS is being mainstreamed with a strong push for integration
- ITS implementation needs to be more efficient
  - Greater time and funding constraints on agencies and practitioners
  - Need more immediate and targeted learning
- More emphasis on effective operations and system performance

How Can ITS PCB Step Up?

- What if we moved from a training mindset to a **learning framework** that **integrates technical assistance** and better **leverages existing resources**?
- What if there was a **virtual learning environment** that was **ubiquitous and accessible** in a manner that overcame constraints on time, travel and funding
- What if the new environment could foster **continuous learning** that is **consistently customer driven**?
- What if ITS learning was constructed to support **on-the-job**, **just-in-time learning** to **solve problems** and more **directly impact performance**?
- What if there were greater **incentives and opportunities** for **professional development**?

Next Steps

- Create a new face for the ITS PCB Program
  - Modify and enhance PCB website content
  - Provide a wide variety of learning options
- Enhance professional development opportunities
  - Highlight ITS Core Curriculum and make courses more accessible
  - Promote certificate programs
- Provide more accessible and “just-in-time” deployment support
- Bolster ITS learning opportunities in the following areas:
  - Transit
  - Standards
  - ITS CVO
  - Systems Engineering / Project Management
  - New technology

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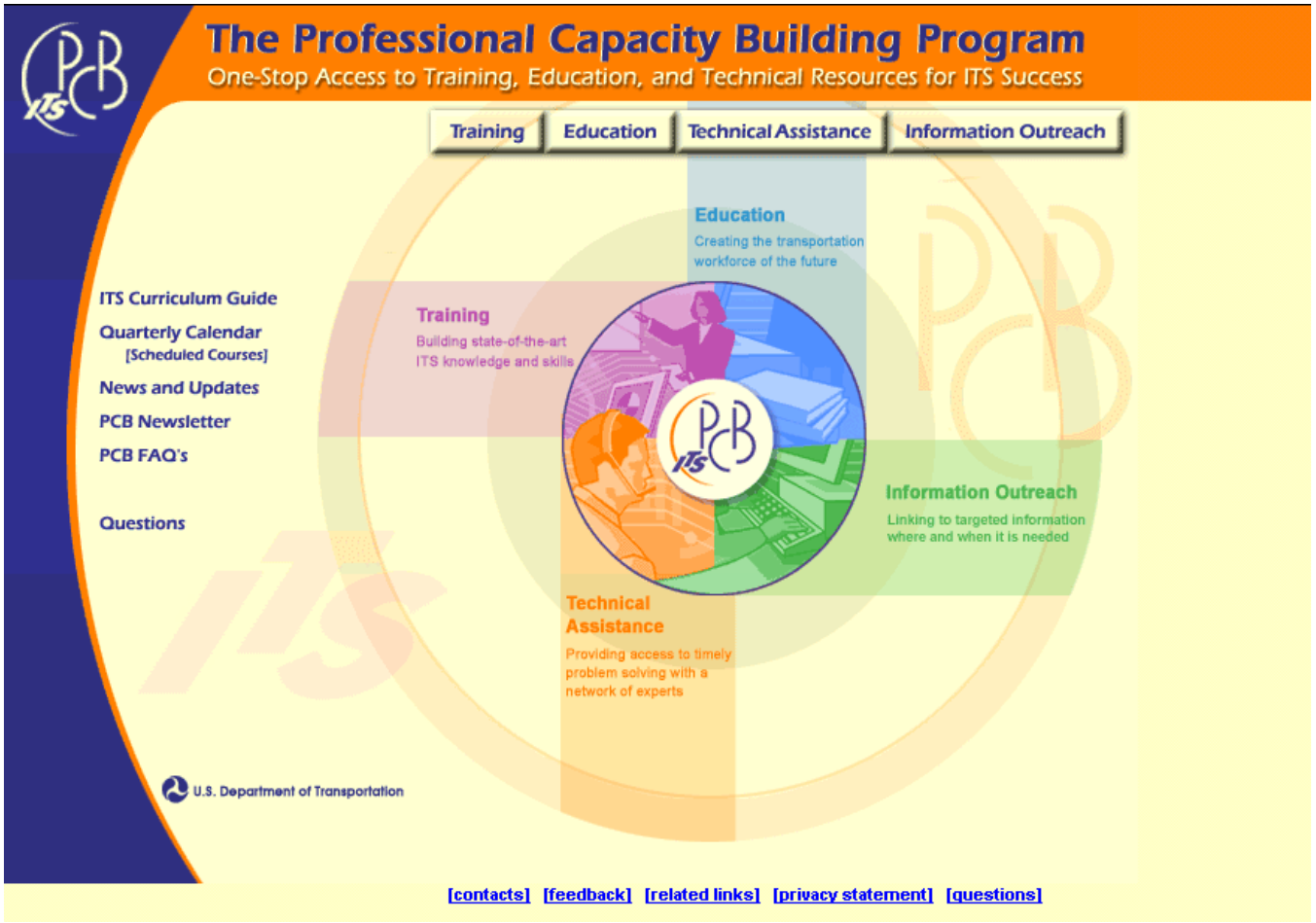

www.pcb.its.dot.gov - Contents

- Addresses the organizational capability building approach and the professional development approach to ITS learning.
- Provides listings of available ITS training and education opportunities
- Presents guidance on professional development in ITS. Includes the Curriculum guide. Includes guidance on staffing for ITS projects.
- Presents information on local PCB and university programs

PCB Program Elements

- Training
- Education
- Information
- Technical Assistance
- Partnerships
- Program Management

Training

- ITS Curriculum
  - Classroom-based training
  - Web-based training
    - Self-guided
    - Blended learning
- Talking Technology and Transportation (T3 Sessions + Archives)
- ITS Foundation Course
- Professional Development
  - ITS Curriculum Guide
  - Certificate Programs

Education

- Formal Relationships with Universities/UTC's
  - University Course Catalog
  - Instructor Access to PCB Materials
  - Programs to produce ITS proficient graduates
  - Local professional development opportunities
- Partnership with Consortium on ITS Training and Education (CITE)

Technical Assistance

- ITS Peer to Peer Program
- ITS Helpline
- ITS Federal Field Staff (FHWA,FTA,FMCSA)
- ITS Learning Center *(under development)*
- Communities of Practice

Technical Assistance Contacts

Toll-free 'help-line' at

Telephone: 1-866-367-7487,

Email: itshelp@volpe.dot.gov

The Peer-to-Peer Program can be contacted via:

Telephone: 1-888-700-PEER or 1-888-700-7337

Fax: 1-617-494-3328

Email: p2p@volpe.dot.gov

ITS Learning Center

What is it?

A web-based tool for ITS practitioners that:

- Facilitates the deployment of ITS
- Provides resources and assistance to foster:
  - Just in time solutions
  - Efficient tech assistance
  - “Targeted” learning

Learning Center *(cont.)*

How will it be different?

The Learning Center will...

- Leverage a wide variety of existing and future resources
- Be organized in a user friendly fashion
  - Filter the information for the user
  - Provide “demand-responsive” solutions
  - Guide the user when requesting information
- Support continuous needs assessment
- Develop “solution suites”
- Support peer networking
- Facilitate specialized telecons/T3’s

Learning Center *(cont.)*

What resources will it include?

- PCB course curricula and materials
- Archives of T3 sessions
- Selected research and evaluation reports
- Other selected course offerings
- Listing of frequently asked questions (FAQs)
- Archived “solution suites”
- Peer-to-Peer Program assets
- Archives of relevant presentations made at various venues
- Communities-of-practice forums
- Links to other internal and external resources

Information

- Internal Resources
  - Lessons Learned DB
  - Cost Benefit
  - Electronic Documents Library
  - ITS Deployment Tracking
- External Resources
  - ITS America Pubs
  - ITE E-Libraries
  - TRIS

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ITS LEARNINGCENTER

Training
Education
Communities of practice
ITS PCB Program Website
Peer to Peer program
T3 Program
Local PCB Programs

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Welcome to the ITS Learning Center

The ITS Learning Center is a resource for ITS practitioners and people interested in learning more about ITS. The Learning Center houses a library of information that can be accessed in three different ways. The first is through the use of our ITS Librarian who can assist you either over the telephone or by electronic response. The second is to let our system help you frame your question by answering a few questions about the information you seek. The third way our system can help you our powerful search function complete with different filtering capabilities to help you get the information you need quickly and efficiently. We are here to help you, so please use this powerful resource.

What's New

- Solution Suites just added
- Interactive Discussion Boards Open

User Testimonial

"The learning Center helped me do all the early research I needed to do so I could take my proposal to my boss with confidence"
James Mason
(Orlando, FL)

Upcoming Events

- Training
  1/12/2006 - ITS Solutions Seminar, New York City, NY
- T3
  1/24/2006 - ITS In Motion Memphis, TN
- Conference
  2/02/2006 - Safety Systems Improvement - Pittsburgh, PA

How Can We Help?

I'd like to talk to the ITS Librarian

1-888-learn-ITS
or
Submit question electronically

Help me frame my question

I want to search the ITS Learning Center, but I don't know where to start.

Let me navigate on my own

Text Search

search

Glossary to help Advanced Search

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- Training
- Education
- Communities of practice
- ITS PCB Program Website
- Peer to Peer program
- T3 Program
- Local PCB Programs

Search Results for *Your Search Topic*

Save Results

Top 10 results

1. document name - description
2. document name - description
3. document name - description

9. document name - description
10. document name - description

Next 10 matches

More Results

- Training (4)
- Education (5)
- Presentation Mat'ls
- Guidance Docs
- Databases
- Websites
- FAQs (6)

I want to filter this list further:

- Application Area
- Deployment Stage
- Roles

Still haven't found what I am looking for:

- Contact the ITS Librarian
- Search again
- Help me frame my question

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Partnerships

- Local PCB Programs
  - Case Studies in progress
  - Considering a “seed funding” scenario to support local programs that are viable for long-run
- Network of Champions
  - Critical aspect of PCB program success
  - Outreach to encourage and support “championing”
- Training Organizations
  - NHI
  - NTI
  - NTC
  - CITE
- Professional Organizations

Program Management - Enhanced Features

- Continuous Needs Assessment Tool
  - New tool to immediately highlight new needs
  - Process with a users group to prioritize needs
- PCB Council
  - Internal working group that cooperatively develops new PCB program concepts
  - Way to assist in broader outreach and marketing
- Marketing and outreach
  - Better branding
  - More proactive advertising

For More Information

Contact:

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