

# ***US Army Signal Center***

## ***Fort Gordon, Georgia***



# ***Lifelong Learning***

## ***a Transformation in Training***

**Barbara Walton**

**Chief, University of Information Technology Division**

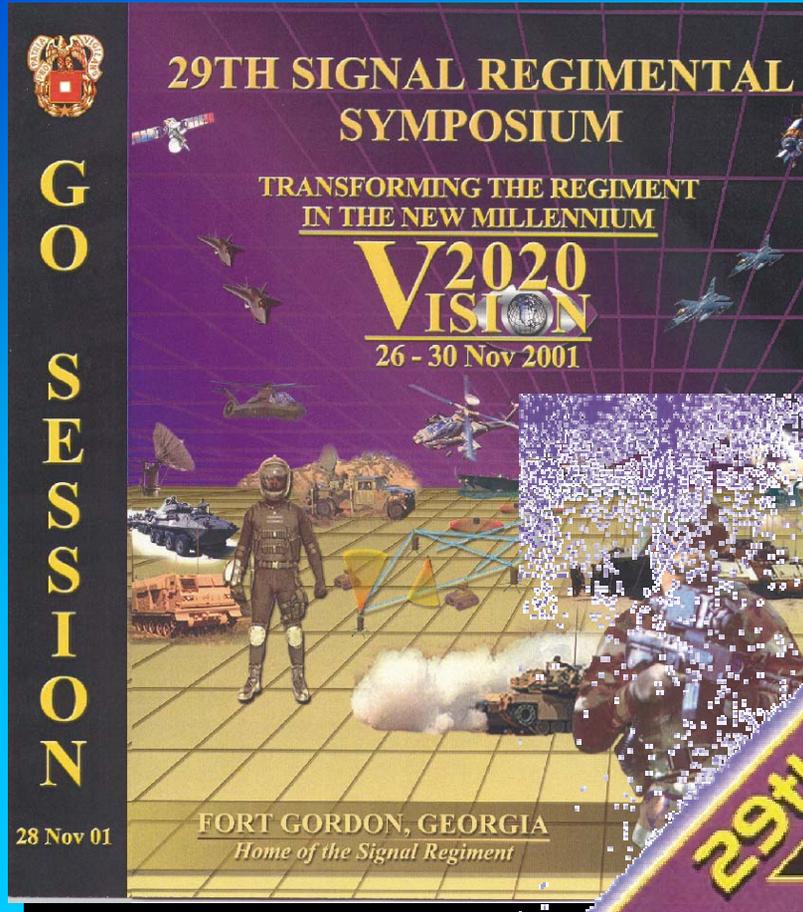
**DSN: 780-2380 E-mail: [waltonb@gordon.army.mil](mailto:waltonb@gordon.army.mil)**

# ***Agenda***

- **Where We Were**
  - **Information Technology Training Challenges**
  - **Lifelong Learning**
  - **2001 SITREP**
- **What We Have Accomplished**
  - **Assignment-Oriented Training**
  - **Simulations**
  - **Resource Center**
  - **Other Major Accomplishments**
- **Road Ahead**
  - **TRADOC Future Training and Leader Development Strategy**
  - **Lifelong Learning – Return on Investment**
  - **Transforming the Training Culture**

# Where We Were

## SIGNAL SYMPOSIUM 2001



# Information Technology Training Challenges

**Greater  
Complexity**

**Perishable  
Skills**

**More  
Skills**

**Rapidly  
Changing  
Technology**

**Lengthy  
Resident  
Courses**

**Legacy, Digital,  
COTS**



# Information Technology Training Challenges

**Greater  
Complexity**

**Perishable  
Skills**

**More  
Skills**

**Rapidly  
Changing  
Technology**

**Lengthy  
Resident  
Courses**

**Legacy, Digital,  
COTS**



# Lifelong Learning

## Assignment-Oriented Training

1



## Simulations

2



Active/Reserve Components



Joint/Military Services



Other TRADOC Schools



Industry



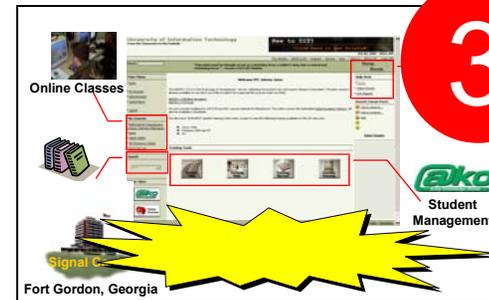
Alumni



Academia

## Resource Center

3



## Virtual Campuses

4



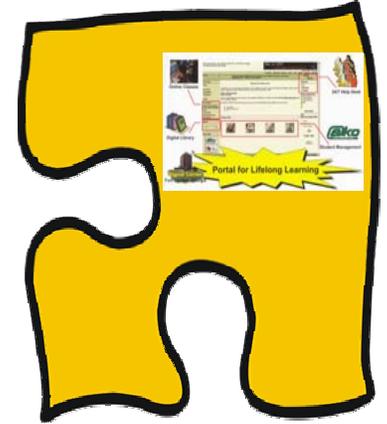
# University of Information Technology

# 2001 SITREP

**Crossed the LD!**

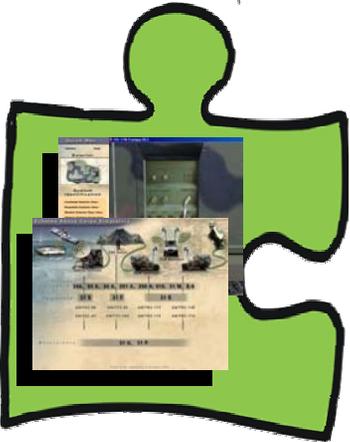


- FY 01 End-of-Year Funding -- \$1.29M (Simulations Pilot, Resource Center, Web Improvements)



- **AOT** – 31R Pilot Began Oct 01  
PERSCOM Onboard

- **Virtual Campus Concept** –  
III Corps, BCTC Jun 02



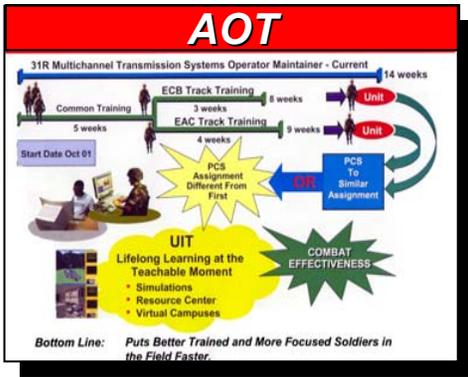
- **Resource Center** – Initial  
Capability Dec 01

- **Simulations** – AN/TRC-173 Pilot  
Simulation for 31R AOT



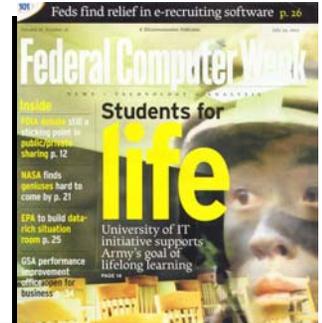
- Strengthen Buy-In and Support  
(Signal Symposium 2001)

# What We Have Accomplished



Oct 01 31R  
 Feb 02 31S  
 Aug 02 31P  
 Sep 02 31F

1,450 Graduates  
 in FY 02  
 3,689 Projected  
 In FY 03



Virtually 'real thing' computer simulations help students learn signal training the AOT way



Dec 02

- Completed AN/TRC-173

Aug 02

- Began AN/GSC-52, 31U Systems Support Trainer, and Brigade Subscriber Node

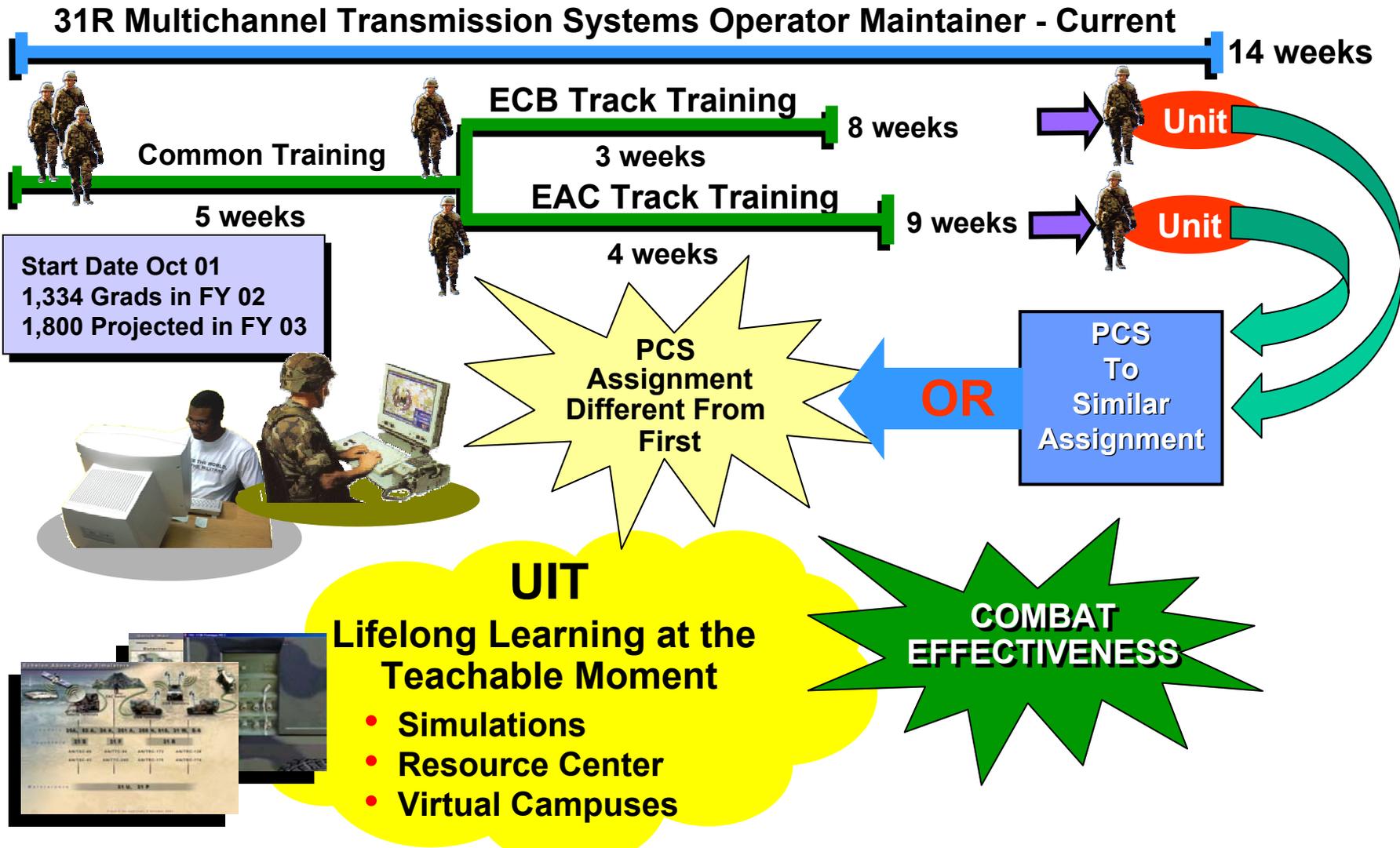


Oct 02

- Financed thru 03
- 2,295 Students using on-line courseware
- Matured Help Desk and Forums



# Assignment-Oriented Training



**Bottom Line:** *Puts Better Trained and More Focused Soldiers in the Field Faster.*

# Other FY 02 Assignment-Oriented Training

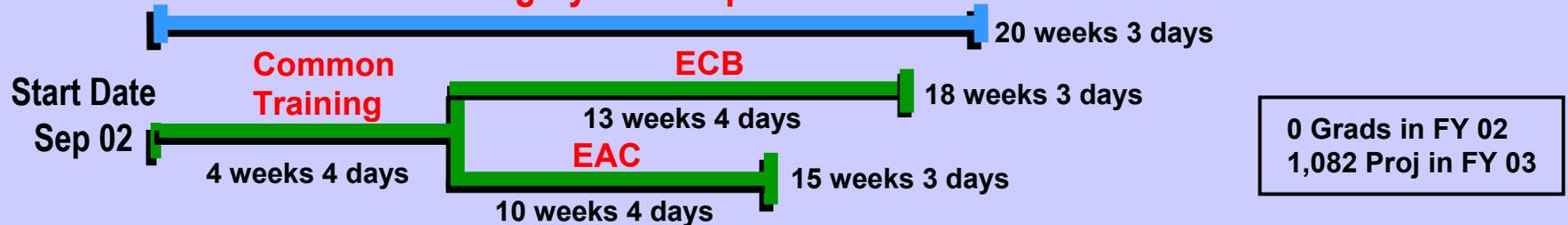
## 31S Satellite Communications Systems Operator-Maintainer - Current



## 31P Microwave Systems Operator Maintainer - Current



## 31F Network Switching Systems Operator Maintainer - Current



# Simulations

**Key Enabler for  
Lifelong Learning**

**Quick Nav** TRC-173B.Prototype.V0.3  
Interior Help  
Exterior

**Echelon Above Corps Simulators**

Satellite Terminals EAC Switch DGM Repeater DGM Terminals

Leaders 25A, 53 A, 24 A, 251 A, 250 N, 918, 31 W, S-6  
31 S 31 F 31 R  
AN/TTC-56 AN/TRC-173 AN/TRC-138  
AN/TTC-39D AN/TRC-175 AN/TRC-174  
31 U, 31 P

ARMY TM 11-5803-410-12  
AIR FORCE TO 3193-377-01  
TECHNICAL MANUAL  
**TM-10**  
SWITCHBOARD, TELEPHONE  
SO-2634C01/17  
(MFR 5803-01-032-1044)  
DEPARTMENTS OF THE ARMY AND THE AIR FORCE  
29 AUGUST 1997

# **Simulation Demonstration**



Online Classes



Digital Library

University of Information Technology  
From the Classroom to the Foxhole

**New to UIT?**  
Click here to get briefed!

Oct 02, 2002 - 09:41 AM  
Fort Gordon :: USASC & Fg :: Regiment :: Garrison :: Army :: TRADOC :: PERSCOM :: Cadet CMD

Search: \_\_\_\_\_

"Education must be thought of not as a deviation from a soldier's duty, but a central and continuing focus." -- *Former CJCS GEN Shelton*

**Main Menu**

- Home
- My Account
- Administration
- Submit News
- Logout

**My Courses**

- Multichannel Transmissions Systems Operator-Maintainer
- Demo
- TADLP DEMO
- UIT Resource Center
- ISVSCON (V4)

**Search**

-----

**Sister Sites**

- 
- 

Welcome PFC Johnny Jones

The AN/TRC-173 is in the final stage of development. We are validating the product now and expect release in December! The beta version is already available on our site if you'd like to take it for a spin and let us know what you think.

[AN/TRC-173B Beta Simulation](#)  
[AN/TRC-173 Forum](#)

We are currently building the 31R ECB and EAC course material into Blackboard. The online course with embedded Digital Academic Delivery will also be available in December.

We also have "NON-MOS" specific training in the works. Expect to see the following training available on the UIT site soon:

- Cisco CCNA
- Windows 2000 and XP
- A+

**Training Tools**

- 
- 
- 
- 

**Help Desk**

- F.A.Q.
- Online Forums
- Live Support

**Recent Forum Posts**

- Link to some im...
- Link to some im...
- test
- ?
- ?

**Enter Forums**

**Poll**  
What do you think of this?

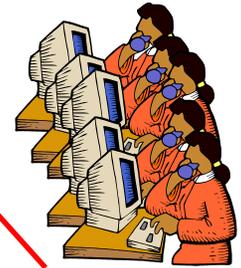
- Love it!
- Useful
- Take it or leave it.

Vote

[ Results | Polls ]

Votes: 9  
Comments: 0

Tasks :: Developers



24/7 Help Desk



Student Management

## Portal for Lifelong Learning

Signal Center  
Fort Gordon, Georgia

Search

**"Education must be thought of not as a deviation from a soldier's duty, but a central and continuing focus." --Former CJCS GEN Shelton**

**Help  
Desk**

### AKO Login

Username

Password

Army Knowledge Online (AKO) is rapidly moving to become the central repository for Army Web Sites and access to secured information. Access to the resources available from this site requires authentication from the AKO Portal. If you have an account and do not know your password, you can call the toll free number on the AKO web site to receive it. The AKO portal can be found at the following web address:

- <https://www.us.army.mil>



Search

**"Education must be thought of not as a deviation from a soldier's duty, but a central and continuing focus." --Former CJCS GEN Shelton**

**Help Desk**

**Main Menu**

- [Home](#)
- [My Account](#)
- [Administration](#)
- [Submit News](#)
- [Logout](#)

**My Courses**

- [Multichannel Transmissions Systems Operator-Maintainer](#)
- [Demo](#)
- [TADLP DEMO](#)
- [UIT Resource Center](#)
- [ISYSCON \(V\)4](#)

**Search**

**Sister Sites**



**Welcome PFC Johnny Jones**

The AN/TRC-173 is in the final stage of development. We are validating the product now and expect release in December! The beta version is already available on our site if you'd like to take it for a spin and let us know what you think.

[AN/TRC-173B Beta Simulation](#)  
[AN/TRC-173 Forum](#)

We are currently building the 31R ECB and EAC course material into Blackboard. The online course with embedded [Digital Academic Delivery](#) will also be available in December.

We also have "NON-MOS" specific training in the works. Expect to see the following training available on the UIT site soon:

- Cisco CCNA
- Windows 2000 and XP
- A+

**Training Tools**



**Help Desk**

- [F.A.Q.](#)
- [Online Forums](#)
- [Live Support](#)

**Recent Forum Posts**

- [Link to some im...](#)
- [Link to some im...](#)
- [test](#)
- 
- 

**Enter Forums**

**Poll**

**What do you think of this?**

- Love it!
- Works for me.
- Take it or leave it.

[ [Results](#) | [Polls](#) ]

Votes: **9**  
Comments: **0**

Search

"Education must be thought of not as a deviation from a soldier's duty, but a central and continuing focus." --Former CJCS GEN Shelton

**Help Desk**

### Main Menu

- [Home](#)
- [My Account](#)
- [Administration](#)
- [Submit News](#)
- [Logout](#)

### My Courses

- [Multichannel Transmissions Systems Operator-Maintainer](#)
- [Demo](#)
- [TADLP DEMO](#)
- [UIT Resource Center](#)
- [ISYSCON \(V\)4](#)

### Search

### Sister Sites



#### PFC Johnny Jones - Current Training

##### MOS 31R Training

[Echelons Above Core \(EAC\) Training](#)

##### Non-MOS Training

[Cisco CCNA Training](#)

[Networking Essentials Plus \(3rd Ed.\)](#)

[Windows 2000 Server](#)

[Linux Administration](#)

### Help Desk

- [F.A.Q.](#)
- [Online Forums](#)
- [Live Support](#)

### Recent Forum Posts

- [Link to some im...](#)
- [Link to some im...](#)
- [test](#)
- 
- 

### Enter Forums

### Poll

What do you think of this?

- Love it!
- Works for me.
- Take it or leave it.

[ [Results](#) | [Polls](#) ]

Votes: **9**  
Comments: **0**

## Menu Options

Announcements

Course Information

Staff Information

Course Documents

Course Map

Control Panel

Quick Un-Enroll

Administer System

## Course Documents

Current Location: Course Documents

Streaming InstructionSimulations**202-31R10 (CT) Documents**[31R POI](#) ( 234271 Bytes )[31R Practical Exercises](#) ( 129168 Bytes )[31R Soldier's Manual and Trainer's Guide, Skill Levels 1-3](#) ( 285184 Bytes )[31R Study Guide / Read Ahead Package](#) ( 832261 Bytes )[GTE Network and Nodal Manager's Reference Guide](#) ( 4057546 Bytes )Downloads

Download files, utilities, and programs that will prove helpful in the course.

Reserve Component DocumentsBasic Skills

Provide the student with the basic skills and knowledge to become a multichannel TRANSMISSION SYSTEM Operator / Maintainer.

Learning Unit

Introduction to MSE

Learning Unit

RAU Equipment Operation

Learning Unit

RAU Maintenance

Learning Unit

LOS (V) Equipment Operation

Learning Unit

LOS (V) Maintenance

## Menu Options

Announcements

Course Information

Staff Information

Course Documents

Course Map

Control Panel

Quick Un-Enroll

Administer System

## Course Documents

### Current Location: Simulations

[ [Top](#) ] : Simulations



#### UIT Simulation Player

[UIT Simulation Player](#) ( 2584064 Bytes )

Player application for all UIT simulations.



#### AN/TRC 173B Simulation

[AN/TRC 173B Simulation](#) ( 3481088 Bytes )

Content for the AN/TRC 173B simulation.



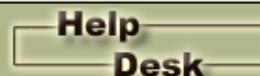
#### AN/TRC 173B Simulation Help Content

[AN/TRC 173B Simulation Help](#) ( 1376768 Bytes )

Help content for the AN/TRC 173B simulation.

Search

**"Education must be thought of not as a deviation from a soldier's duty, but a central and continuing focus." --Former CJCS GEN Shelton**



## Main Menu

[Home](#)

[My Account](#)

[Administration](#)

[Submit News](#)

[Logout](#)

## My Courses

[Multichannel Transmissions  
Systems Operator-Maintainer](#)

[Demo](#)

[TADLP DEMO](#)

[UIT Resource Center](#)

[ISYSCON \(V\)4](#)

## Search

## Sister Sites



## UIT Help Desk

Welcome to the UIT Help Desk. One of our goals is 24/7 support of our Army customers and we have 3 tools we use to accomplish this.

## Frequently Asked Questions (F.A.Q.)

A F.A.Q. is a list of questions we are asked most often and the answers that our subject matter experts have entered. In many cases, the same questions are asked numerous times. Please look here first to see if your question has already been answered.

[Click here to access our Frequently Asked Questions.](#)

## Forums

A Forum is an online discussion thread. Here, you can discuss your problem with others: both peers and subject matter experts. In addition to posting new questions, you can participate by answering questions that others have. This resource is searchable, so you can check to see if someone has already asked the same question.

[Click here to access our Forums.](#)

[Click here to SEARCH our Forums.](#)

## Live Support

Live Support has not been implemented yet. This resource will soon be in place and will allow us to assist in real-time using both audio and video conferencing techniques. In addition, desktop sharing will allow us to see what you see as you're working, if you so choose to enable this feature during the session. Check back with us regularly for this powerful feature.



[F.A.Q.](#)



[Online Forums](#)



[Live Support](#)

## Help Desk

- [F.A.Q.](#)
- [Online Forums](#)
- [Live Support](#)

## Recent Forum Posts

- [Link to some im...](#)
- [Link to some im...](#)
- [test](#)
- 
- 

## Enter Forums

## Poll

### What do you think of this?

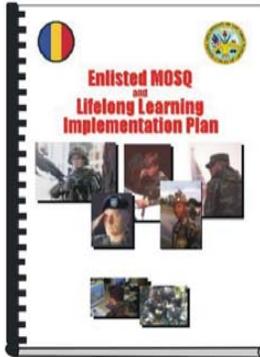
- Love it!
- Works for me.
- Take it or leave it.

[ [Results](#) | [Polls](#) ]

Votes: **9**  
Comments: **0**

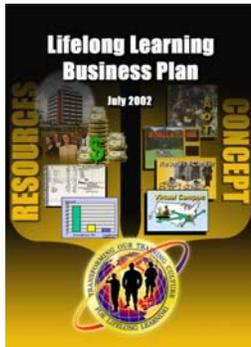
# Other Major Accomplishments

Feb 02



- Wrote the Enlisted MOSQ and Lifelong Learning Implementation Plan

Jul 02



- Wrote Lifelong Learning Business Plan
- Forged a Partnership with Simulation, Training, and Instrumentation Command (STRICOM)



Sep 02

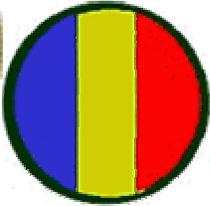
- Partnered with TRADOC Analysis Center (TRAC)
- Lifelong Learning became part of CSA approved TRADOC Soldier and Leader Development Strategy



# Other Major Accomplishments

Oct 02

- Briefed Secretary of the Army and new TRADOC Commander



Dec 02

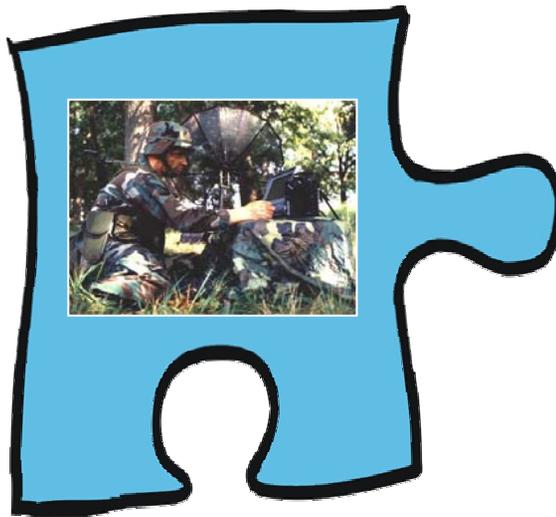
**Virtual Campuses**



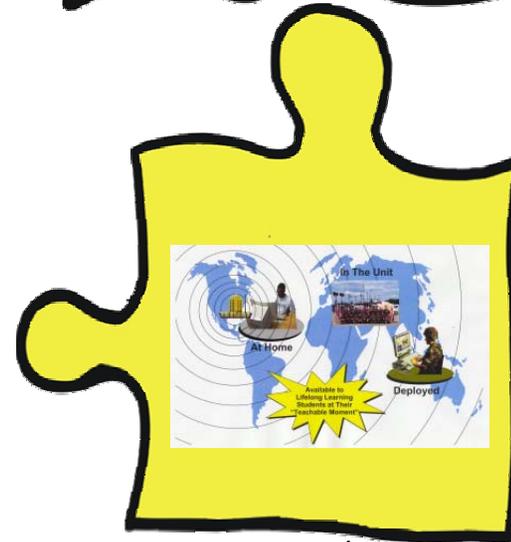
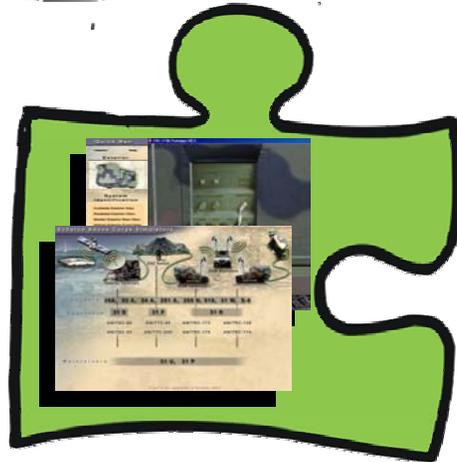
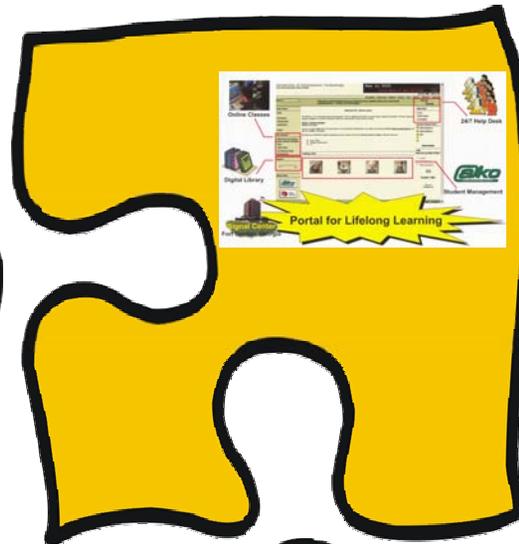
- Posting content to Resource Center for delivery to Virtual Campus sites

# Road Ahead

## Assignment Oriented Training



## Resource Center



## Simulations

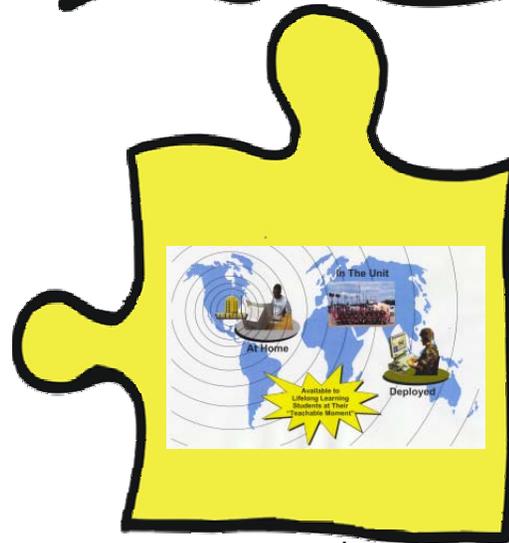
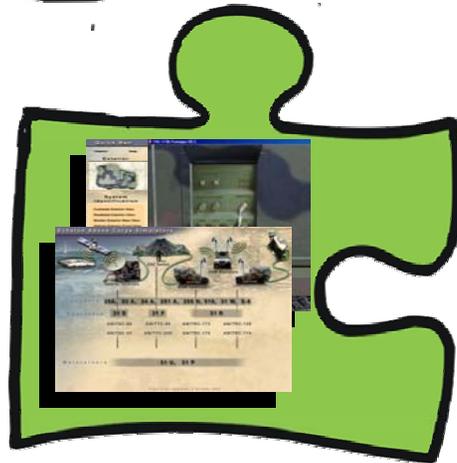
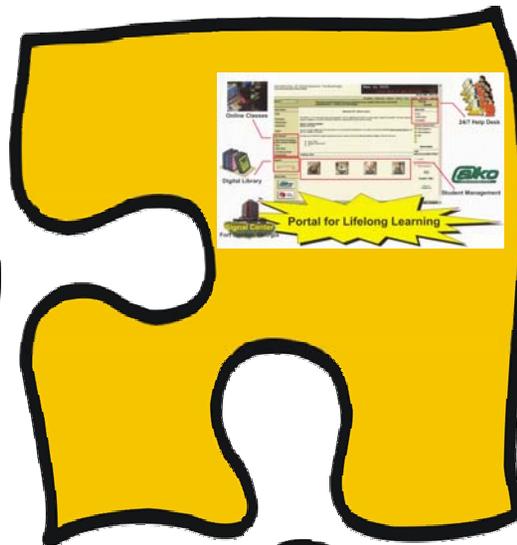
## Virtual Campuses

# Road Ahead

## Assignment Oriented Training



## Resource Center



## Simulations

## Virtual Campuses

# TRADOC Future Training and Leader Development Strategy



Accession

**Comprehensive Assessment:**

- Psychological
- Medical
- Physical
- Leadership
- Skills
- Suitability

**Supports:**

- Tailored Development
- Tng Requirements
- Self Awareness
- MOS Assignment

P  
R  
E  
C  
O  
N  
D  
I  
T  
I  
O  
N  
I  
N  
G

**Initial Entry Training Integrated Training Model**

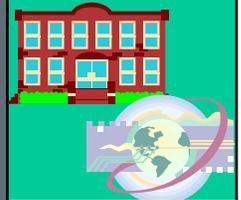
**BASIC COMBAT SKILLS**

- Emerging Leadership
- Expert Warfighter
- Lifelong Learning
- Ruggedness
- Conditioning
- Field Craft
- Warrior Ethos
- Soldierization

**COMMON JOB SKILLS**

**Technical Job Skills**

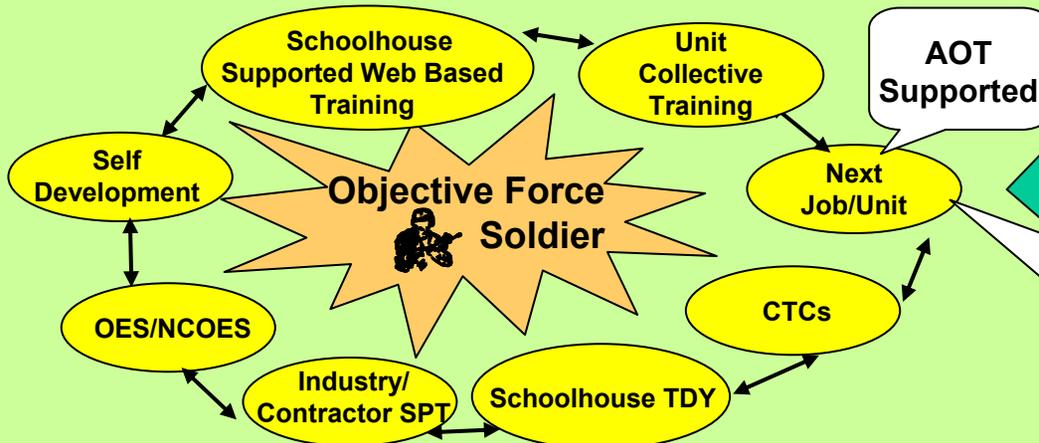
Resident



Distributed

**Assignment Oriented Training**

**A CAREER OF LIFELONG LEARNING**



**INITIAL MOSQ**

**Soldier ready to contribute to 1<sup>st</sup> Unit on the 1<sup>st</sup> Day of Assignment**

# *Lifelong Learning – Return on Investment*

# ARMY

**Assignment  
Oriented  
Training**

**Resource  
Center**

# TRADOC

**Simulations**

**Virtual  
Campuses**



## Signal Center

**Fort Gordon, Georgia**

**Backup**

# *Lifelong Learning – Return on Investment*

# ARMY

**Assignment  
Oriented  
Training**

**Resource  
Center**

# TRADOC

**Simulations**

**Virtual  
Campuses**



**Signal Center**

**Fort Gordon, Georgia**

# 31R TTHS Saving Summary

## New Course Length

EAC = 9 Weeks 3 Days

ECB = 8 Weeks 3 Days

- 31R AOT training **Saves** –

- 4 weeks for the EAC track

- 5 weeks for the ECB track

} vs the 13.6 week legacy course

- Projected savings for FY 03 -  $1500 \times 13.6 = 20,400$  Man Weeks  
 $1500 \times 9.6 = 14,400$  Man Weeks  
Saving = 6,000 Man Weeks

**29% Saving in AIT TTHS!**

[Back](#)

# 31S TTHS Saving Summary

## New Course Length

Strategic = 25 Weeks 1 Day

Tactical = 22 Weeks 1 Day

- 31S AOT Training **Saves** -

- 14 weeks for the Strategic track

- 17 weeks for the Tactical track

} vs the 39.2 week legacy course

- Projected savings for FY 03 -  $504 \times 39.2 = 19,757$  Man Weeks

$504 \times 25.2 = 12,701$  Man Weeks

Savings = 7,056 Man Weeks

**36% Saving in AIT TTHS!**

Back

# *Transforming the Training Culture*



**Institution**

**Unit**

**Soldier**

***“Education must be thought of not as a deviation from a soldier’s duty, but a central and continuing focus.”***

**Former CJCS GEN Shelton**

# ***Lifelong Learning: A Transformation in Training***

