

Air Education and Training Command



U.S. AIR FORCE

Education and Training Technology Application Program

Mr Gary Teer
Associate Director
Directorate of Plans and Programs

Integrity - Service - Excellence



Purpose



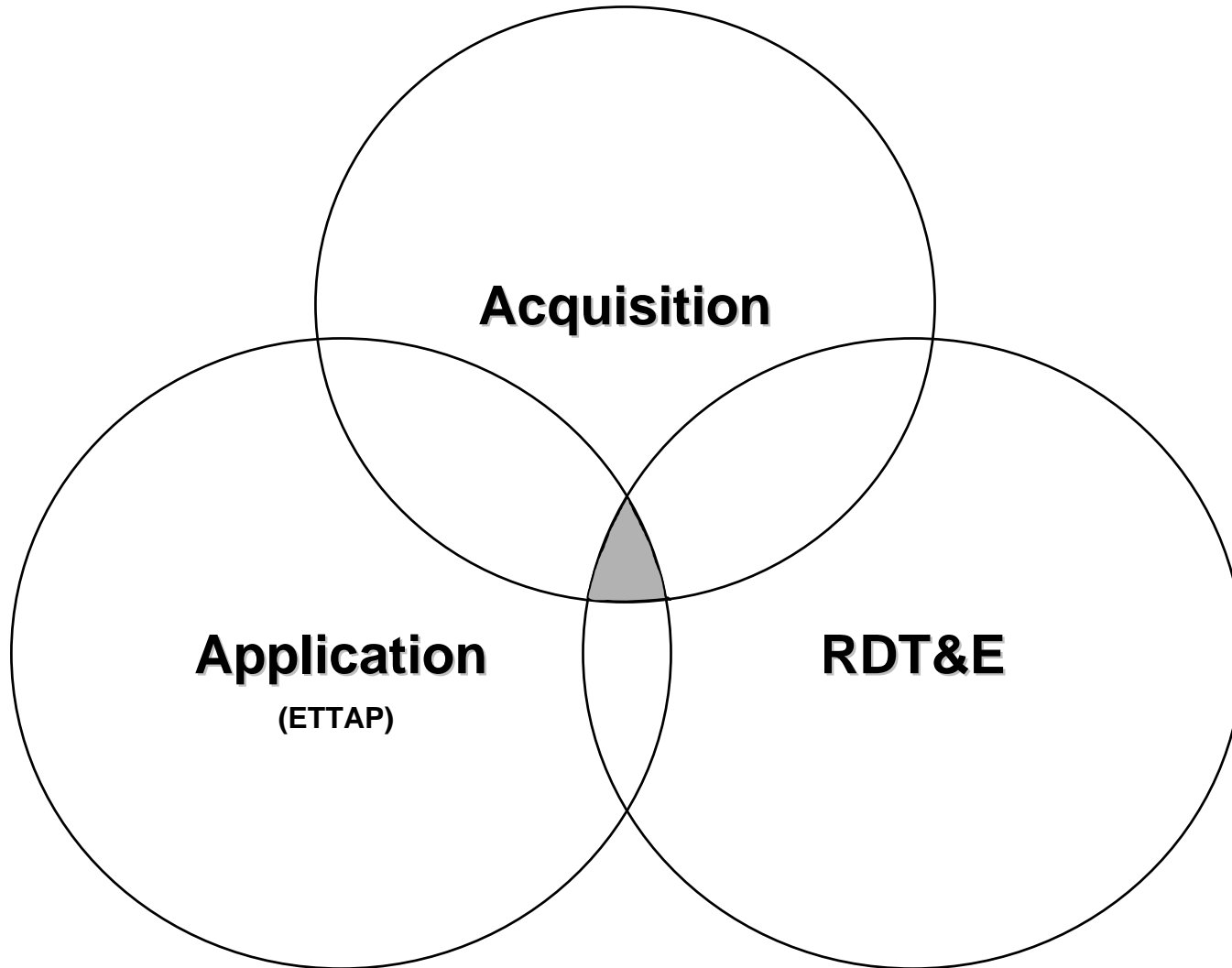
- AETC's innovation process (AETCI 36-2218)
- Demonstrate and evaluate innovative concepts to improve the command's efficiency and effectiveness
- Funding
 - FY04 ETTAP POM Line at \$2M
 - Constant through FYDP
- One command-wide call for proposals annually
 - Out-of-cycle proposals encouraged
 - ETTAP committee selects projects -- approved by XPR



Where ETTAP fits



AETC





ETTAP Project Elements



AETC

- An innovative proof of concept
- High Tech ideas at relatively low cost
- Ideas for which results can be quantitatively measured
- A project that can be completed within one year
- A project that can be used across command or AF





ETTAP Projects

VANDENBERG

- ICBM Operational Procedures Emulator

SCHRIEVER

- Crew Resource Mgmt Debriefing Tool

SHEPPARD

- Hand-Held Ultrasound
- Voice Recognition for Curriculum Development

ALTUS

- KC-135 Boom Operator 3-D Visuals

AFIT

- Data Mining for Weather Education

PHOENIX

- GTACS DMT Training Technology

KIRTLAND

- MC-130 EW Embedded Simulator

RANDOLPH

- Advanced Technology for Flying Training

RANDOLPH

- Spatial Disorientation Device

LACKLAND

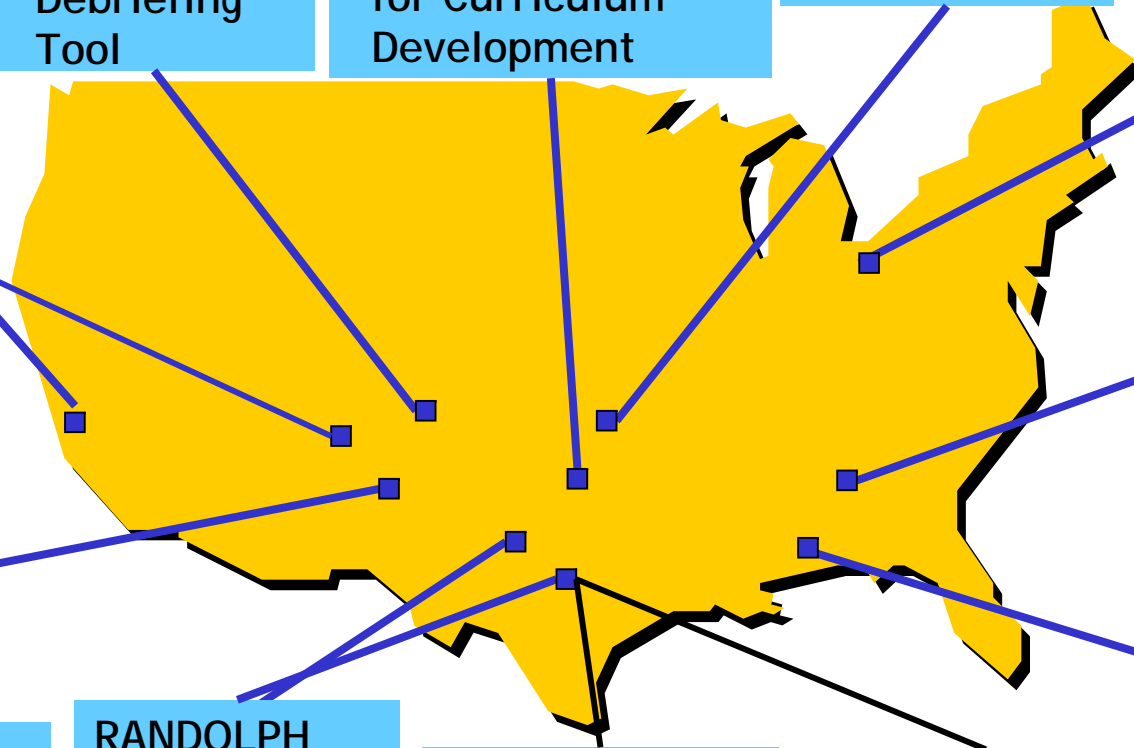
- Automated Marksman Scoring Sys

MAXWELL

- Electronic Essay Evaluation
- Artificial Intelligence Tutoring
- Virtual Private Networking
- Automated Transcript Transfer

KEESLER

- Student-Centered Multimedia Learning



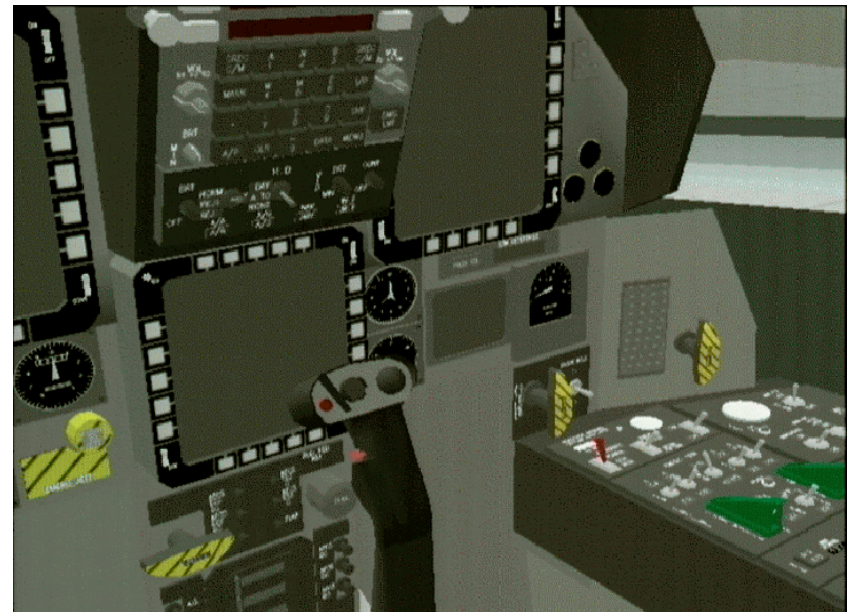


F-15 Virtual Reality



AETC

- F-15 E Safe-for-Maintenance Interactive Courseware
 - Determined Virtual Reality can replace a Hardware Trainer
 - Lower 3-level Certification Time
 - Springboard for Generalized Operations Simulated Environment (GOSE)





Schematic Power Browser



AETC

- Keesler developed software integrated with a Smart Board to explore multimedia instructional methods
- Benefits:
 - Easy to use instructor tool
 - Enables use of non-standard presentation materials
 - More efficient instruction
 - Increased comprehension



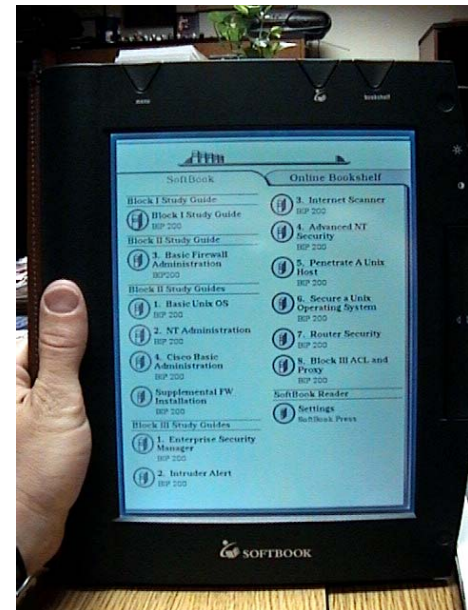


Electronic Books



AETC

- Replaces paper media with electronic media
- Benefits:
 - Saves reproduction costs
 - Faster course updates
 - Portability
- Uses
 - Mobile Training Teams
 - Very dynamic courses
 - Top Secret level courses





Electronic Classroom



AETC

- Blended and multimedia instruction
- Automated testing and records
- Benefits:
 - Helped define elements for a standard AETC electronic classroom
 - Near continuous feedback on student progress
 - Measure instructional efficiency and effectiveness

Space and Missile History

INTRODUCTION

SPACE & MISSILE

- Truman
- Eisenhower *
- Kennedy & Johnson *
- Nixon & Ford *
- Carter
- Reagan Bush & Clinton *

MAN'S ROLE IN SPACE

- The Early Years
- Eisenhower
- Kennedy & Johnson *
- Nixon & Ford
- Reagan Bush & Clinton *

FINAL REVIEW QUIZ

[EXIT](#)

The Reagan, Bush and Clinton Administrations
National Security Decision Directive (NSDD) - 42

On 4 July 1982, President Reagan spoke at Edwards AFB at the fourth space shuttle landing. In this, his first speech on space policy, the president called for "a more permanent presence in space" for the US and said that steps must be taken to provide "assured access to space." (18, 217) On the same day as his speech, the White House issued National Security Decision Directive (NSDD)-42 which reiterated the principles of Carter's PD/NSC-37. However there were significant differences. NSDD-42

"Star Wars" Speech

◀ BACK NEXT ▶

Space and Missile History

INTRODUCTION

SPACE & MISSILE

- Truman
- Eisenhower *
- Kennedy & Johnson *
- Nixon & Ford *
- Carter
- Reagan Bush & Clinton *

MAN'S ROLE IN SPACE

- The Early Years
- Eisenhower
- Kennedy & Johnson *
- Nixon & Ford
- Reagan Bush & Clinton *

FINAL REVIEW QUIZ

[EXIT](#)

OSPT
SPACE AND MISSILE HISTORY

AIR EDUCATION AND TRAINING COMMAND
UNITED STATES AIR FORCE



Summary



AETC

- ETTAP – AETC’s Innovation Process
- First step to link new technologies to solve education/training inefficiencies and deficiencies