



# AETC: Commitment to excellence

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RANDOLPH AIR FORCE BASE, Texas — In any given year in the Air Force, there are approximately 20,000 students from roughly 268 career fields attending some type of formal training at 76 different locations around the world.

This includes about 4,400 Basic Military Training and 2,000 Basic Officer Training students, as well as 1,800 sorties being flown by 4,000 students in 21 types of aircraft per year. There are also about 4,000 allied and coalition force personnel attending training courses in 700 different locations, all of whom require data tracking through network processes. Clearly this effort presents a huge challenge for the Communications and Information professionals of the “First Command.”

As a result of cyclic periods of organizational growth, consolidation, reorganization and reinvention, Air Education and Training Command owns and operates about 50 distinct automated information systems tied to tracking student information and training data. The command relies heavily on a complex web of information systems developed over 20 years to provide data on student, course and classroom management. As a result, the system and data architecture is varied, outdated in some cases and only a portion of each system links to others through cumbersome manual and automated interfaces.

Until recently, most AETC systems didn't have the ability to exchange and share data, thereby giving management little visibility into important data and severely limiting decision-making and planning capabilities.

But that's all changing. In addition to keeping networks operating and ATCALS “flying,” AETC/SC initiatives can be categorized in two major arenas. The first is developing and implementing architectures for AETC AISs. Simply put, we are making a concerted effort across all functions within AETC to streamline and optimize our systems, which will allow us to leverage command resources using IT.

The Joint Primary Aircraft Training System/Training Integration Management System is one of many initiatives being fielded as part of the Air Education and Training Management Systems that will provide visibility into all

phases of undergraduate student pilot training. Likewise, Technical Training Management System will provide leadership with the ability to gather vital information throughout technical training and almost simultaneously eliminate several outdated AISs saving personnel and manpower along the way.

But more importantly and perhaps most impressive is the on-going effort to field the Student Registration and Records System, which is being developed as an enterprise-wide system. SRRS will provide a single authoritative source providing accurate and timely information on AETC education and training by interfacing with multiple levels of student tracking systems.

Not only does it support the Air Force Chief of Staff's vision for Total Force Development, it will also dramatically reduce the number of AETC systems and associated costs to produce more efficient operations for the command and its external customers.

The second major area of emphasis involves building standards for the “Classroom of the Future.”

This effort conceptualizes the use and distribution of IT resources to create a better learning environment in existing classrooms whether it's through computer graphics, electronic white boards, collaborative tools or simulators. An important aspect to this concept will be the ability to bring distance learning to every desktop in the Air Force whether in-garrison or deployed. AETC is building the AF standard for using its enterprise network to deliver training courses and information.

While it is incumbent on the AETC communicators to provide secure and reliable access to these systems, it will also take solid communication between all functional communities to produce a viable and cost effective system. Ultimately our ability to deliver information systems to training locations around the world will enable us to more effectively and more efficiently plan and execute our Air Force missions around the world.

AETC/SC remains at the forefront by continuously streamlining IT processes and initiatives in order to better achieve this goal for our Air Force.

## BASIC OFFICER TRAINING

**AS A RESULT, THE SYSTEM AND DATA ARCHITECTURE IS VARIED, OUTDATED IN SOME CASES AND ONLY A PORTION OF EACH SYSTEM LINKS TO OTHERS THROUGH CUMBERSOME MANUAL AND AUTOMATED INTERFACES.**

## BASIC MILITARY TRAINING

## COURSES AROUND THE WORLD

**UNTIL RECENTLY, MOST AETC SYSTEMS DID NOT HAVE THE ABILITY TO EXCHANGE AND SHARE DATA, THEREBY GIVING MANAGEMENT LITTLE VISIBILITY INTO IMPORTANT DATA AND SEVERELY LIMITING DECISION MAKING AND PLANNING CAPABILITIES.**

## MORE EFFICIENT OPERATIONS

## “CLASSROOM OF THE FUTURE”

## NCO ACADEMY