

# Aircrew Coordination Training Enhancement (ACTE)

*An Army Program Enhancing Aviation Mission Effectiveness  
and Crew Safety*

## ACTE in Army Aviation Units



# Army Aircrew Coordination Training (ACT) 1990-2003

## ❖ Implemented as one-time unit level training

- Exportable training package (ETP) 1992 with 1995, 2001 and 2003 revisions
- Still contains CH-54, UH-1, AH-1 and airliner examples
- No follow on training support packages

## ❖ Assessment and evaluation

- Evaluation system difficult to use
- 13 Basic Qualities, 8 Elements
- Disjointed structure, hard to employ
- Unreliable evaluation skill levels in units

## ❖ New Aircraft and Missions = New Problems

- AH-64D, CH-47F, OH-58D and UH-60M workload
- 2 engine mindset (power matters)
- Overwater, shipboard, high and hot

## ❖ Training standardization and delivery

- Paper-based versus multi-media
- No Go To War specific training
- Program developed for analog versus digital force



# Current Environment

## ❖ Conditions...

- Army Aviation is experiencing increasing accident rates
  - Aircrew coordination causal factor in over 50% of accidents; 31 fatalities and \$285M of lost equipment
- Consensus that ACT refresher training is inadequate
- Army G3 recognizes the need for 'new' approach to ACT

## ❖ Response...

- Implement ACTE to provide state-of-the-art standardized aircrew coordination training army-wide.

# Purpose

- ❖ **Controlled, Updateable Training**
  - Control version always current on USAAVNC server
  - AH-64, CH-47, UH-60 and OH-58D examples
  - Annual TSP provisions
- ❖ **Assessment and evaluation**
  - Simplified and tested evaluation system
  - 5 Crew Coordination Objectives (CCOs)
  - 15 Page pocket aircrew guide
  - Reliable evaluation skills
- ❖ **Problem Solving Exercises and Scenarios**
  - Based on modernized aircraft
  - Brown-out, target engagements, navigation system errors
  - Crewchief and flight engineer examples
  - Realistic and relevant in all components
- ❖ **Training standardization and delivery**
  - Distance learning enabled, CRXXI tested (AC and RC)
  - Go To War aircraft specific training (FSXXI model)
  - Program developed and tested by digital force



# Three Unique Courses

- Train the Trainer Course
- Instructor Course
- Aircrew Course



# ACTE Train the Trainer Course

## Course Map - ACT Train the Trainer Course

Module 1	Module 2	Module 3	Module 4	Module 5	Module 6
<b>Introduction</b>	<b>Courseware Content</b>	<b>Courseware Setup and Delivery</b>	<b>Courseware Presentation</b>	<b>Teach Back and Certification</b>	<b>Conclusion</b>
Course Introduction and ACT Trainer Certification	ACT Aircrew Course Overview	ACTE Standalone Training	Methods for Aircrew and Instructor Courses	Teach Back	Conclusion
	ACT Instructor Course Overview	ACTE Electronic Classroom Training	Instructions for Aircrew Course	ACTE Trainer Certification Checklist	Course Critique
			Instructions for Instructor Course		
			Instructions for Train the Trainer Course		
			Presentation Skills and Techniques		

- Contains six modules with multiple lessons
- All modules instructor facilitated
- Distance Learning deliverable

### Target Senior Leaders

- Bde/Bn SPs & SIs
- Unit core cadre
- 4 days

# ACTE Instructor Course

## Course Map - ACT Instructor Course

Module 1	Module 2	Module 3	Module 4	Module 5	Module 6
<b>Introduction</b>	<b>ACT Instructional Setting</b>	<b>Evaluation Tools and Techniques</b>	<b>Observation and Evaluation Exercise</b>	<b>Facilitation Skills</b>	<b>Conclusion</b>
Course Welcome	ACT Instruction Overview	Evaluation Tools	Observation and Evaluation Exercise	Facilitation Skills Exercise	Conclusion
Course Overview		Evaluation Techniques			Course Critique

**Note:** Self-paced lessons are shown in green. Instructor facilitated lessons are shown in blue.

### Target Unit IPs

- Bn and Co IP/SPs & FI/SIs
- Aircrew trainers
- 2 days

- Contains 6 Modules with Multiple Lessons
- Modules 2 through 5 Instructor Facilitated
- Distance Learning Deliverable

# ACTE Aircrew Course

## Course Map - ACT Aircrew Course

Module 1	Module 2	Module 3	Module 4	Module 5
<b>Introduction</b>	<b>ACT Principles Review</b>	<b>Case Study</b>	<b>Problem Solving Exercise</b>	<b>Conclusion</b>
Course Welcome	Aircrew Coordination Overview	Performance Evaluation System	Problem Solving Exercise	Conclusion
Course Overview	Risk Management	Modernized Aircraft Case Study		Course Critique
	CCOs and BQs			

- Contains 5 Modules with Multiple Lessons
- Modules 1, 2 and 5 Web-Based, Self Paced
- Modules 3 and 4 Instructor Facilitated
- Distance Learning Enabled

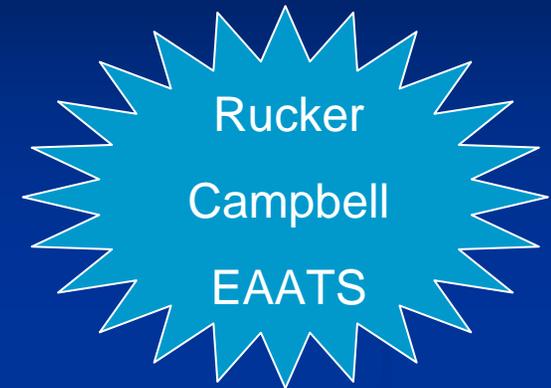
### Target Aircrews

- Aviators and NRCMs
- Sustainment
- 1 day

# Train the Trainer Usability Assessment Results

## ❖ Participant Ratings of Train the Trainer

- Lessons helped understand how to...
  - Set up an ACTE class (4.5 on 5-point scale)
  - Present ACTE courses (4.5 on 5-point scale)
  - Facilitate ACT improvement (4.7 on 5-point scale)
- This ACT Train the trainer Course will have a positive effect on standardizing ACT (4.6 on 5-point scale)
- Overall value of this ACT Train the Trainer Course (4.5 on 5-point scale)



## ❖ Train the Trainer Course Participant Comments . . .

- *“Includes the Risk Assessment Management training that no one gets now.”*
- *“Web-based, easy access and all information can be saved on line. All Army and National Guard Aviation units NEED this training.”*
- *“The CBT design will be of great value to units that are required to be versatile.”*
- *“Student presentations reinforces learning. This gave me the best understanding of the overall course and material.”*

# Implementing ACTE Army Wide

## ❖ Timeline

- First training session April 2004 (Ft. Campbell)
- 12+ training events in 12 month period

## ❖ Resources

- USASC/USAAVNC provides all instruction and Train The Trainer materials
- Automated reports and student tracking
- Units provide 12 candidate trainers and DTF facilities (USASC LAN for austere locations)
- **Unit - 0\$, Only time and personnel investment**



# Endstate

- ❖ USAAVNC certified trainers at unit level
- ❖ Sustainable ACTE training at unit level with minimum impact
- ❖ Reduction in accidents involving Aircrew Coordination



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