

# 73rd MORSS CD Cover Page

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21-23 June 2005, at US Military Academy, West Point, NY



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Original title on 712 A/B: ***\_Innovative T&E That Balances Risk fir Future Army Training\_***

Revised title: ***\_Innovative T&E That Balances Risk with Resources for Future Army Training\_***

Presented in (input and Bold one): (**WG\_25\_**, CG\_\_\_\_, Special Session \_\_\_\_, Poster, Demo, or Tutorial):

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*Form Approved*  
*OMB No. 0704-0188*

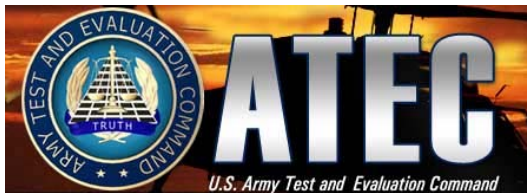
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1. REPORT DATE <b>22 JUN 2005</b>	2. REPORT TYPE <b>N/A</b>	3. DATES COVERED <b>-</b>			
4. TITLE AND SUBTITLE <b>Innovative T&amp;E That Balances Risk with Resources for Future Army Training</b>		5a. CONTRACT NUMBER			
		5b. GRANT NUMBER			
		5c. PROGRAM ELEMENT NUMBER			
6. AUTHOR(S)		5d. PROJECT NUMBER			
		5e. TASK NUMBER			
		5f. WORK UNIT NUMBER			
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) <b>U.S. Army Test and Evaluation Command U.S. Army Evaluation Center 4120 Susquehanna Avenue APG, MD 21005</b>		8. PERFORMING ORGANIZATION REPORT NUMBER			
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)		10. SPONSOR/MONITOR'S ACRONYM(S)			
		11. SPONSOR/MONITOR'S REPORT NUMBER(S)			
12. DISTRIBUTION/AVAILABILITY STATEMENT <b>Approved for public release, distribution unlimited</b>					
13. SUPPLEMENTARY NOTES <b>See also ADM201946, Military Operations Research Society Symposium (73rd) Held in West Point, NY on 21-23 June 2005. , The original document contains color images.</b>					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT <b>unclassified</b>	b. ABSTRACT <b>unclassified</b>	c. THIS PAGE <b>unclassified</b>	<b>UU</b>	<b>15</b>	

# Innovative T&E That Balances Risk with Resources for Future Army Training

Presented by

U.S. Army Test &  
Evaluation Command



PEO STRI



National Simulation Center



73rd MORSS June 21-23, 2005

# What is the ACTF?



**The Army Constructive Training Federation (ACTF) is a collection of Simulations, Sim/C4I interfaces and tools which provide post exercise drivers designed for training land component commanders and their staffs**

**It provides a simulated operational environment, in which computer-generated forces stimulate and respond to the command and control processes of the training audience**

# Organizational Responsibilities



- **Users / NSC – Defines requirements and validates that the system meets the Army’s Title X training needs**
- **Material Developer / PEO STRI – develops the system based on User’s requirements**
- **Testers/ATEC - provides system assessment of operational readiness**

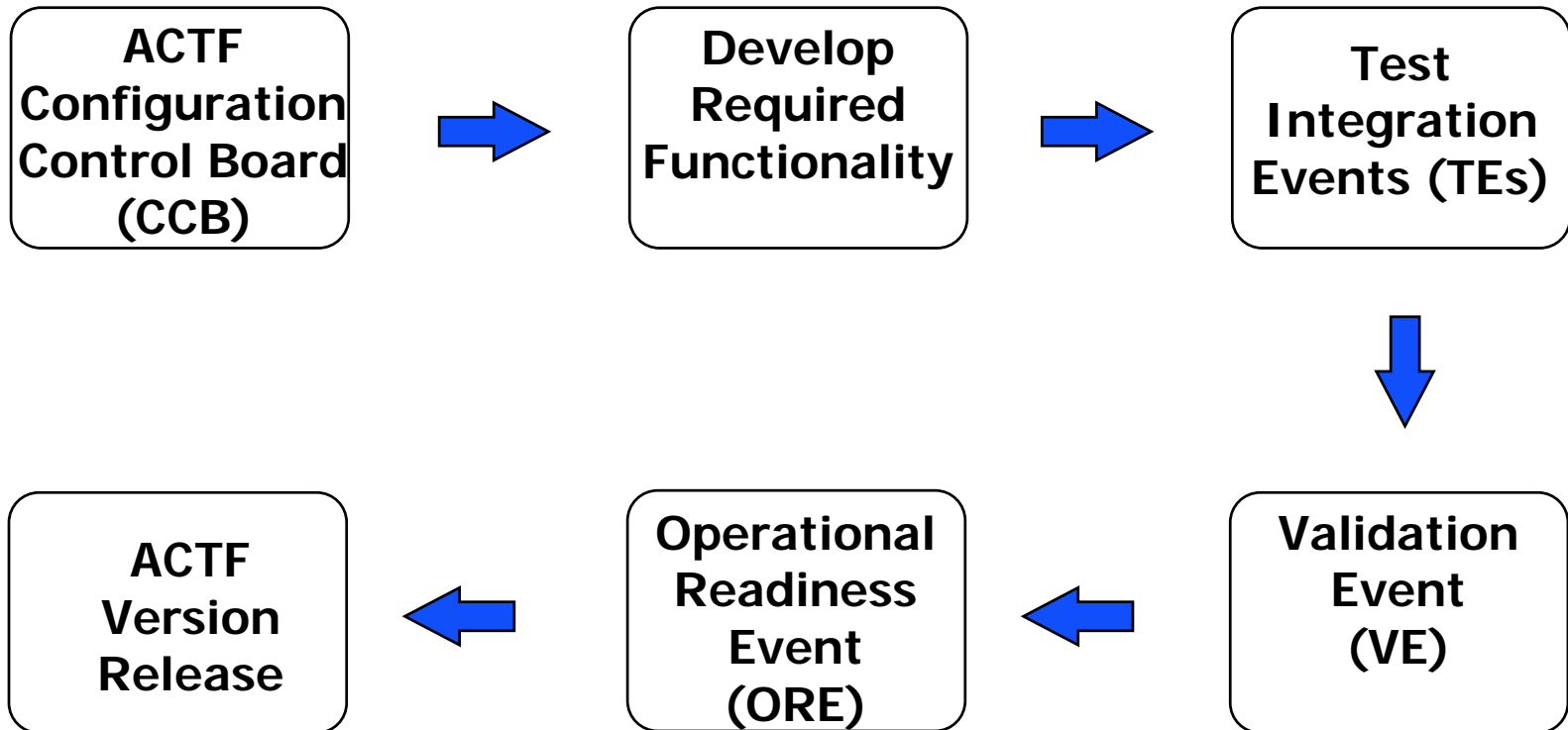
# Necessity for a New T&E Process



**Need for:**

- **Flexibility to handle emerging requirements**
- **Rapid fielding of ACTF versions**
- **Minimizing test resources and test events**
- **Measuring operational effectiveness without a “traditional” Operational Test**
- **Meeting an Army at War’s training needs**

# Components of the T&E Strategy



# Developing the Requirements



- **WARSIM ORD is the overarching document**
- **ACTF CPD produced every three years**
- **Yearly CCB to identify and prioritize requirements for annual builds**
  - **Develop version plan and schedule**
  - **Develop testing and fielding plan**
  - **Conflicts are resolved by DA**

# Integrating & Verifying Requirements



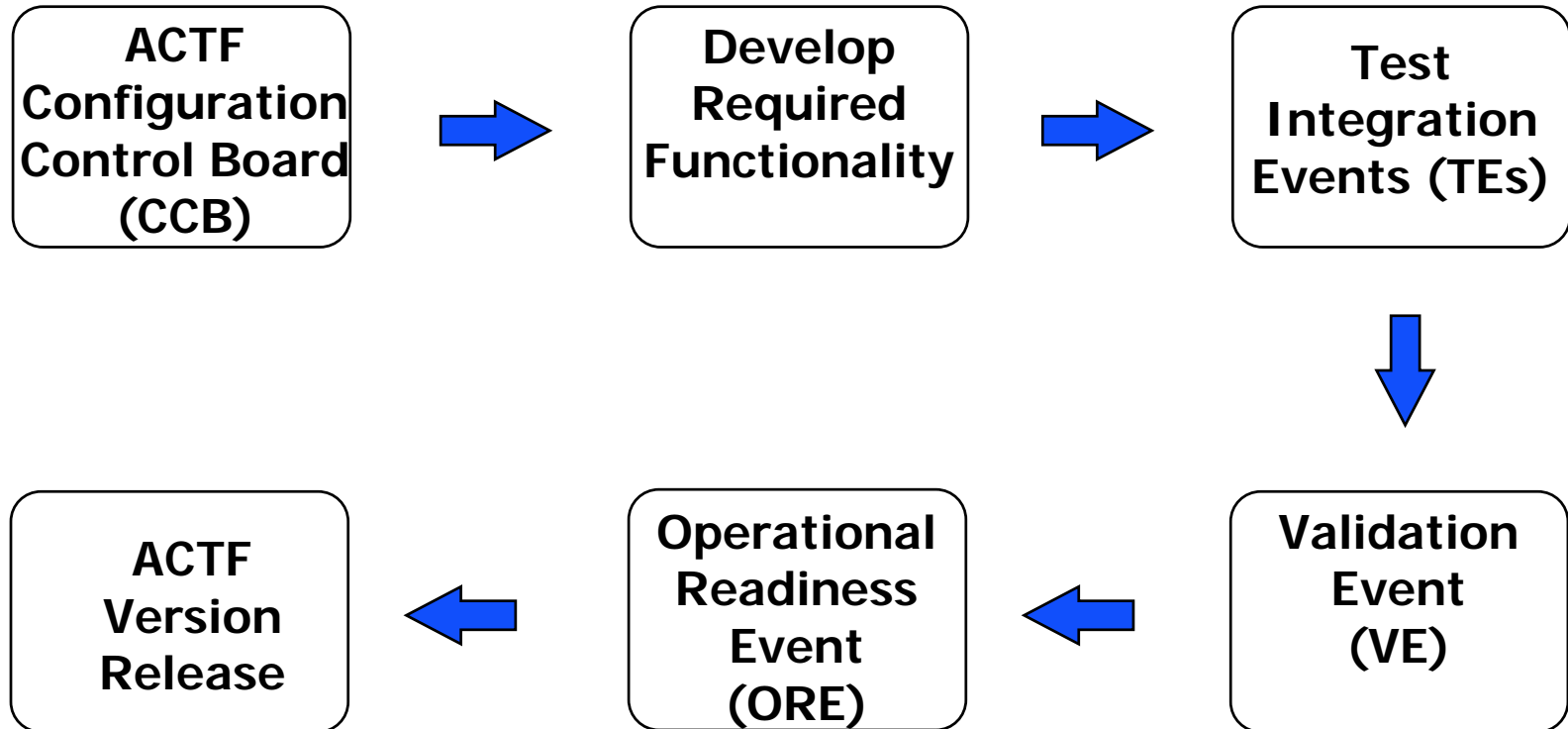
- **TEs integrate and verify new functionality into the ACTF**
- **VEs evaluate whether the ACTF is functionally valid within a federation of simulations, interfaces and tools fully capable of supporting battle command and institutional training for the BCT, UE(x), and UE(y) levels**
- **OREs evaluate whether the ACTF meets the capabilities and operational criteria to support battle command and institutional training for the Army at the BCT, UE(x), and UE(y) levels**

# Assessing the System



- **Provide an annual independent System Assessment (SA) to support each materiel release decision**
- **Produce a final System Evaluation Report (SER) to support a decision on the ACTF objective system**
- **Leverage existing developer and user events to support the SAs and SER per the TESP**

# Components of the T&E Strategy



**The ACTF T&E IPT supports the T&E process from development thru the fielding of each version release**

# Reducing Test Costs & Improving Test Efficiency



- **Minimizes testing by leveraging existing developer and user events**
- **Shared resources and facilities between the tester, developer and user**
- **Operational test is not feasible due to limited resources and availability of troops**

# Summary



**This T&E strategy, as applied to the ACTF:**

- **Serves as a model process to be employed in the evaluation of future simulations developed for Army training**
- **Has combined traditionally separate testing into single integrated test events between the user, developer and tester**
- **Reduces time and resources to get a product to the soldier without compromising any of the traditional and sequential steps for review**

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**Questions?**

