

Tactical Wheeled Vehicle Conference 2010



Film

Brigadier General Brian R. Layer
Chief of Transportation



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NASCAR Drivers like Army Drivers are:



- ✓ Highly Competitive & adaptive
- ✓ Team Work
- ✓ Sophisticated
- ✓ Technology to Win
- ✓ Winning Spirit
- ✓ Innovative
- ✓ Adaptive
- ✓ Resourceful
- ✓ Opportunistic
- ✓ Agile

Soldier truck drivers are an integral component of tomorrow's combat system





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1944 WWII



Today



Tomorrow





Lives the Army Values

Higher Sensory

Techno-Savvy

Willing to Serve

Informed

Warrior Focused

XBOX-IPhone Gen

Unafraid

Committed & Dedicated

Intelligent

Disciplined

Expeditionary

Multi-Tasking





Tactical Wheel Vehicle Conference 2010 Future Truck Driver Requirements



During World War II any boy right off the farm could drive a truck.....

Future Truck Characteristics :

- Higher Mobility Rate
- Robotic Operations
- Complex Sensing Systems
- Advance Load Handling - Smart Load Handling System
- Intermodal Operations
- Integrated Armor - Mine and Ballistic
- Higher Degree of Protection w/o Increasing Vehicle Weight
- Integrated Fire Suppression System
- Blast Resistance Seats
- Greater Fuel Efficiency
- Integrated C4ISR
- Dynamic Movement Tracking

Technology Advanced a Smarter Truck



FTTS Cost = \$XXX.XX ea

Improved Armor & Increased Mobility



M-ATV Cost = Over \$400,000 ea

Driver Assisted Features (Pwr Steering & Air Brakes)



1959 M35 Cost = \$15,000 ea

Basic Cargo and Pax Carrier



1945 CCKW Cost = \$10,000 ea

.....but because of advances; in the future not just anyone can operate the truck. 6



Tactical Wheel Vehicle Conference 2010 Future Truck Driver Requirements



Future Requirements will impact the way the Army Trains and Fights

Doctrine and Training Implications:

- Greater Impact on Leader Development
- Opportunity to Conduct Autonomous Operations
- Complex Sensing Systems with Immediate Feedback
- Flexible Employment of Transportation Assets
- Capability to Conduct Intermodal Operations from the Cab of the Truck
- A Sophisticated Truck will Drive More Simulation Training Time
- The Future Truck will Incorporate Human Elements



Advance TWV Technology Will Add A New Dynamic Dimension to Training



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We are preparing the Human Element for future battlefield by incorporating the latest in simulations, immersive and virtual technologies



Film


- ❑ Doctrine, Lessons Learned, Latest TTPs from OEF/OIF
- ❑ Live, Interactive individual and Collective simulations like:
 - Virtual Combat Convoy Trainer (VCCT)
 - HMMWV Egress Assistance Trainer (HEAT)
- ❑ Leverage Immersive & Virtual capabilities such as:
 - Counter IED Trainer
 - Common Driver Trainer
 - Warrior Skills Trainer



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Training leaders of today and tomorrow to operate in the complex Interactive system of logistics

 **FM 3.0: The Army requires agile and adaptive leaders able to handle the challenges of full spectrum operations in an era of persistent conflict. Army leaders must Be—**

- Competent in their core proficiencies
- Broad enough to operate across the spectrum of conflict
- Able to operate in joint, interagency, intergovernmental, and multinational environments and leverage other capabilities in achieving their objectives
- Culturally astute and able to use this awareness and understanding to conduct operations innovatively
- Courageous enough to see and exploit opportunities in the challenges and complexities of the operational environment
- Grounded in Army Values and the Warrior Ethos.

TRAINING AND DOCTRINE COMMAND
Leader Development Framework

Training

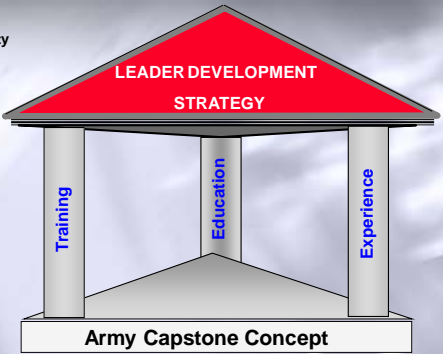
- Hybrid Scenarios replicating complexity over extended time
- Central Training Database - "Training Brain"
- Empower Leaders to train at home station
- Adapt role of the CTC

Experience

- Key Developmental (KD) tours
- Broadening experiences
- Combat tours

Education

- PME
- Self development
- Life-long learning



Army Capstone Concept

The Army has been riding on hard fought experience – with 8 years of war behind us and persistent conflict ahead of us - **now** is the time to **rebalance** education, training and experience.



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Questions & Comments

