Tactical Wheeled Vehicle Conference 2010

AMERICA’S ARMY: THE STRENGTH OF THE NATION

U.S. ARMY TRANSPORTATION CORPS: WE MOVE THE NATIONS STRENGTH

Brigadier General Brian R. Layer
Chief of Transportation
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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goarmy.com/racing

VIDEO

THERE’S STRONG. THEN THERE’S ARMY STRONG:
NASCAR #39 DRIVER RYAN NEWMAN

Film
1944 WWII

Today

Tomorrow
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

Driver Assisted Features
(Pwr Steering & Air Brakes)

Improved Armor & Increased Mobility

Technology Advanced a Smarter Truck

FTTS Cost = $XXX.XX ea

M-ATV Cost = Over $400,000 ea

1959 M35 Cost = $15,000 ea

1945 CCKW Cost = $10,000 ea

……but because of advances; in the future not just anyone can operate the truck.
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 Dynamite Dimension to Training
We are preparing the Human Element for future battlefield by incorporating the latest in simulations, immersive and virtual technologies.

- 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
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.

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

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NOTHING HAPPENS UNTIL SOMETHING MOVES......SPEARHEAD!

ARMY STRONG