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COL (P) Jered P. Helwig
Chief of Transportation
CASCOM/Sustainment Center Of Excellence

Combined Arms Support Command and the Sustainment Center of Excellence
Fort Lee, Virginia and Fort Jackson, South Carolina
Mission:
CASCOM trains, educates, and develops adaptive total force sustainment professionals; generates, synchronizes and integrates innovative Army and Joint sustainment capabilities, concepts and doctrine to sustain the full range of military operations.

Enduring Priorities:
EP1: Readiness
EP2: Build and Improve the Army
EP3: Soldier, Cillian and Leader Development
EP4: Take Care of the Team
EP5: Civilian – Military Engagement

The Army Vision:
The Army of 2028 will be ready to deploy, fight and win decisively against any adversary, anytime and anywhere in a joint, multi-domain, high-intensity conflict while simultaneously deterring others and maintaining its ability to conduct irregular warfare. The Army will do this through the employment of modern manned and unmanned ground combat vehicles, aircraft, sustainment systems, and weapons, coupled with robust combined arms formations and tactics based on a modern warfighting doctrine and centered on exceptional Leaders and Soldiers of unmatched lethality.
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Describing the Future

FM 3-0

- Sustainment units must provide their own convoy security, vice being a consumer.
- Large-scale combat operations will create high demands for logistics and personnel services.
- Logisticians support operational tempo by delivering supplies and materiel as far forward as possible.
- Sustainment units must be equipped, structured, trained, and prepared.

FM 4-0

- Army sustainment enables large scale ground combat operations by providing the support required to keep the Army and its unified action partners engaged in operations across the operational environment (OE).
- Lack of sufficient sustainment support slows operational tempo, contributes to early culmination, and could lead to the defeat of friendly forces on the ground.
- Sustainment operations are critical to enabling operational reach. The Army's sustainment capability assists in providing crucial theater and port-opening functions that further enable the strategic and operational reach of the joint force.
- Army sustainment capabilities continue to provide the bulk of Army support to other Services, common-user logistics, and other common sustainment resources to prevent friendly forces from culminating.
Focus Areas:

- Develop units that enable endurance and depth while optimizing velocity
- Ensure that our Deployment and Distribution Management Systems can keep up with the fight.

Distribution in Large Scale Ground Combat Operations (LSGCO)

- Update courses to match the complexity and rigor of LSGCO
- Standardize Army Drivers licensing and certification
- Train Deployment Readiness

**Army Objectives**

- **Man:** Man units fully for combat
- **Organize:** Structure warfighting formations for Multi-Domain Operations
- **Train:** Train tough, combined arms units to fight and win in high-intensity conflict
- **Equip:** Deliver next generation capabilities
- **Lead:** Build leaders who thrive in complexity and chaos
- **Doctrine:** Transform for Multi-Domain Operations and drive the Army holistically into the Future

**Strategic Deployment Distribution Operations**

- Deployment Readiness Exercise
- USATSCH AIT 88 Series MOSs
- WO Specialties ASI/SQI (A2/M9/R1/6M/3S) Functional Courses
- Capabilities Development - Leader/Follower - JLTV - Transportation Management Systems (TMS)

**Capstone Course:**

- **88H** Terminal Operations Air/Seaport
- **88K/88L** Watercraft Transport Operations
- **88M** Motor Transport Operations
- **88N** Movement Control Operations
- **88U** Rail Transport Operations
- **USATSCH AIT 88 Series**
- **MOs**
- **WO Specialties ASI/SQI (A2/M9/R1/6M/3S)** Functional Courses

**Support Starts Here!**
Describing Capabilities for the Future Fight

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**Protected and Deployable**
- Scalable Armor Kits
- Crew Weapons
- Improved Gunner Protection Kits
- Vehicle Weight Reduction
- Internal/External Air Transport

**Sustainable**
- Power Generation
- Water Generation
- Increased Onboard/Exportable Power
- Fuel Efficiency
- Improved Battery Power
- Depot Maintenance Automation
- Built-in Training Capability

**Intelligent**
- Semi Autonomous Operations
- AI Enabled
- Predictive Analytics
- Route Optimization
- Supply Chain Management
- Improved Interoperability
- Driver's Vision Enhancer
- C4ISR Integration

**Safe and Reliable**
- Improved Ride Quality
- Improved Off Road Mobility
- Electronic Stability Control
- Anti-lock Breaking System
- System Survivability
- Fire Suppression
- Driver Assist/Warning
- Improved Maintenance Radio
- Improved Mean Miles Between Operational Failure (MMBOMF)

Support Starts Here!
Challenges/Opportunities

**Challenges...**

- Large Scale Ground Combat Operations (LSGCO) calls for truck/trailers that are interchangeable and multi-capable (cargo, fuel, supplies) in order to give the commanders flexibility in delivering sustainment and equipment.

- Army equipment continues to grow heavier and taller requiring haul capabilities to adapt.

- Every truck will count - unit’s cannot afford lengthy down time on their vehicles.

**Opportunities...**

- Autonomous technology promises to enable distribution, throughput, and efficiency.

- Commercial solutions (with minor modifications) could fit some of the requirements that are generated now and into the future.
Multi-Domain Operations realized through Large Scale Ground Combat Operations will require distribution that can keep up and survive.

Improving the current systems and developing new once will take teamwork and partnerships.

Our Army has one focus: Make our Soldiers and units more lethal to win our nation’s wars, then come home safely.
Questions