



SUSTAINING AMERICA'S ARMY
THE STRENGTH OF THE NATION

UNCLASSIFIED

Army Logistics: Sustaining America's Army

*Supporting the Warfighter
For Present Conflicts
And Future Missions*

2009 Tactical Wheeled Vehicles Conference

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ADAPT // INNOVATE // ANTICIPATE // ALWAYS READY



Agenda

- ❑ What We're Trying to Accomplish
- ❑ Reset ... what it means
- ❑ A Little About Scale
- ❑ What We Need from Industry
- ❑ TWV Future Capability
- ❑ Current Sustainment Level Maintenance Workload
- ❑ A Lifecycle Sustainment Strategy
- ❑ Enterprise TWV Fleet Management
- ❑ Item Unique Identification (IUID)



What the ARMY is Trying to Accomplish

CURRENT



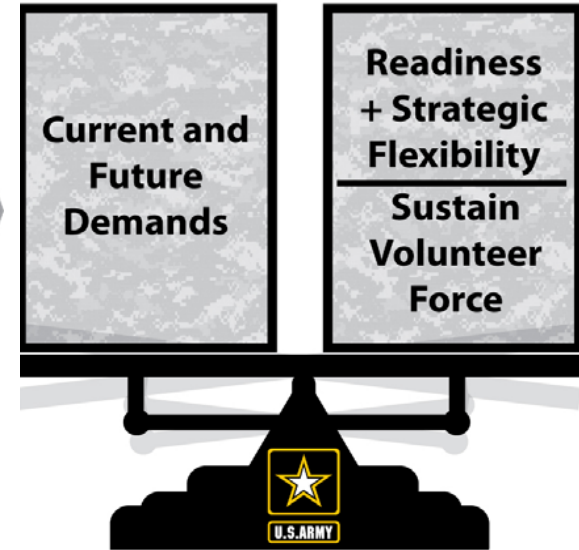
- Demand Exceeding Supply
- Counterinsurgency-Focused Force
- Accelerated Equipment Wear-Out
- Soldier and Family Stress



IMPERATIVES

- Sustain
- Prepare
- **Reset**
- Transform

FUTURE

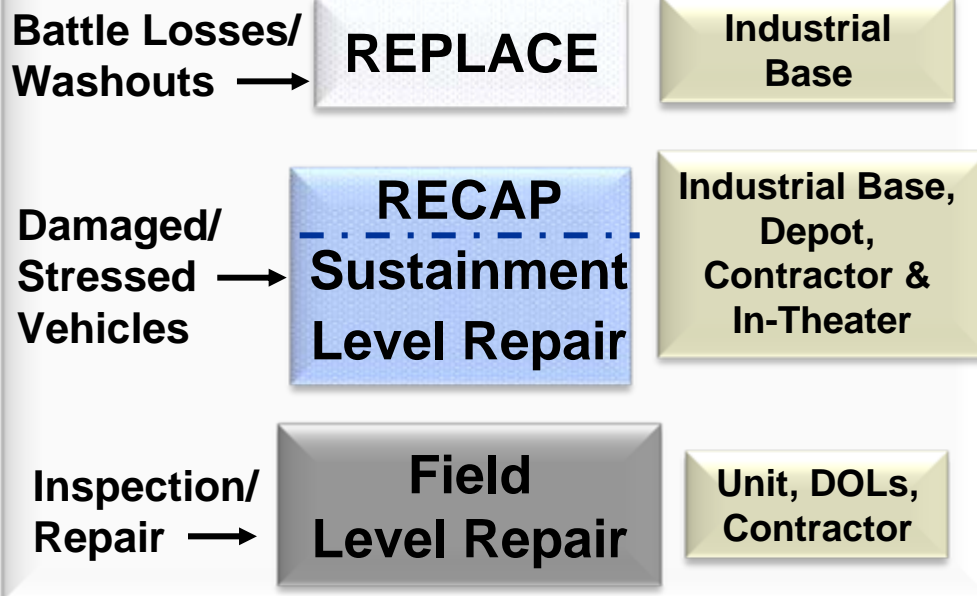


- Steady-State Achieved via ARFORGEN
- Full Spectrum Readiness
- Reconditioning and Recapitalization of Equipment
- Better Facilities and Increased Dwell Time for Soldiers



Army Reset

Reset: Actions taken to restore equipment to desired level of combat capability commensurate with a unit's future mission. Reset reverses the effects of combat stress on equipment.



Army RESET Intent – Establish a balanced, six-month process following an extended deployment that *systematically restores* deployed units to a level of *personnel and equipment readiness* that *permits the resumption of training* for future missions.



Your US Army

...Resets 14,000 vehicles a year ... or enough to overhaul 1 vehicle in every household in the city of Monterey.

... Spent \$265.2 Million in Reset of TWVs ... or larger than the entire 2007 revenue of the Los Angeles Dodgers.

... Shipped over 10,300 Mine Resistant Ambush Protected (MRAP) vehicles to theater last year ... or enough to cover 31 football fields.

... Maintains over 29,000 Tactical Wheeled Vehicles in theater ... or enough to maintain one TWV to every Monterey city citizen over 18.....

...Purchases enough fuel each year to provide fuel for 1 million cars annually ... or fill up all of Wal-Mart's trucks once per day.



Some Things We're Looking For from Industry

- ✓ Innovative energy solutions to improve system efficiency and reduce fuel consumption
- ✓ Embedded diagnostic tools to rapidly detect and isolate system failures
- ✓ Integration with information systems to improve the quality, speed and enterprise management of assets ... transparent to the operator
- ✓ Advanced materials and designs for improved component/system reliability and maintainability, and lower life-cycle costs
- ✓ Unmanned robotic vehicle technology for improved materiel handling and distribution of assets to maximize soldier protection for sustainment operations
- ✓ Light weight materials and common system components to allow for quicker and easier maintenance and corresponding footprint reduction
- ✓ Design for Two Level Maintenance



Future Capabilities: TWV

Transport/Deploy

- Weight Reduction
- Internal/External Transport

Survivability

- Lateral Stability
- Emergency Braking
- Restraint Systems
- Crash Protection
- Fire Suppression

Force Protection

- Armor Kits
- Active Protection
- NBC Protection
- Environmental Control
- Weapons Mounts

- Power Generation
- Water Generation
- Power Management
- Common Chassis/Parts

**Affordable
21st Century
Capability**

RAM

- Improved Maintenance Ratio
- Faster Mean Repair Times
- Embedded Diagnostics and Prognostics
- Tool-Free Maintenance
- No new special tools
- Reduced Common Tool Needs
- Leap ahead Reliability

Mobility

- Improved Ride Quality
- Improved Ride Limiting Speeds
- All Wheel Steer

- Increased power train efficiency
- EPA compliance
- Energy Efficient
- Multi-Fuel/Energy

Network Centricity

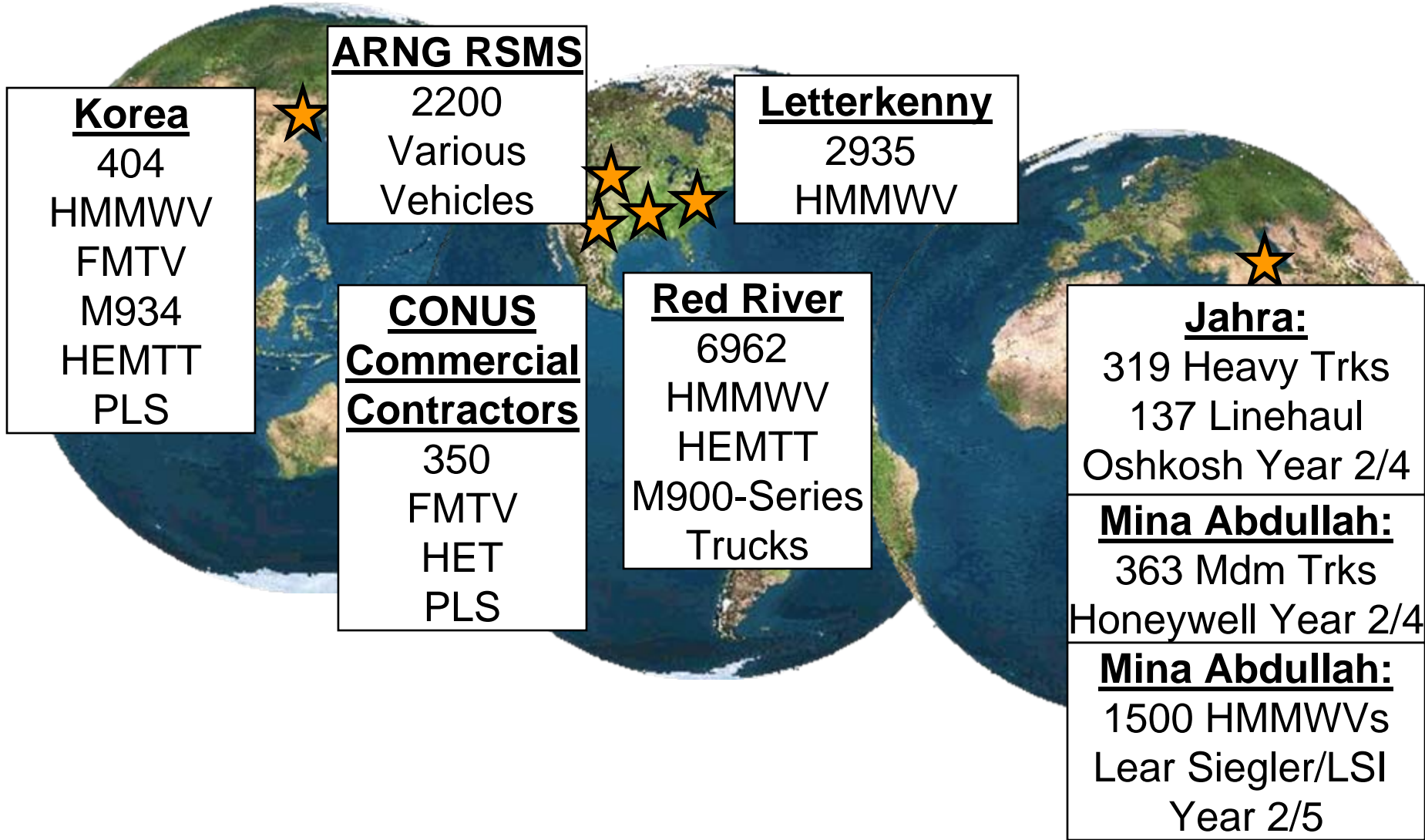
- Movement Tracking / Situational Awareness
- Driver's Vision Enhancer
- C4ISR Integration

Distribution-Enabled

- Multifunctional Intelligent Load Handling System (ILHS)
- Capable of one-person operation



FY09 Sustainment Level TWV Workload

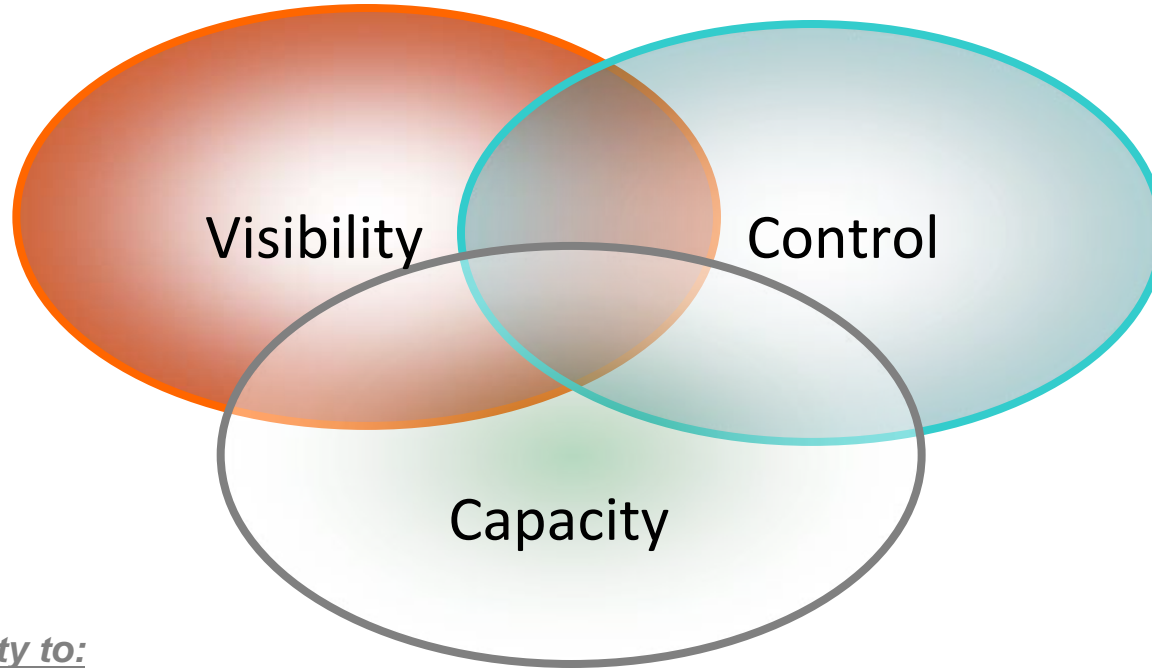




A Lifecycle Sustainment Strategy

Visibility of:

- Assets
- Usage Data
- Operational Environment
- Funding
- Status of Maintenance



Control by:

- Providing appropriate authority to leaders
- Defining roles and responsibilities
- Providing appropriate resources

Capacity to:

- Transport, receive, repair, hold and return equipment from factory to foxhole
- Meet surge requirements and seasonal/cyclical demands...but avoid excess when requirement no longer exists
- Maintain a pool of qualified workers (government and contractor) with requisite skills



Enterprise TWV Fleet Management:

Objective End-State

Visibility

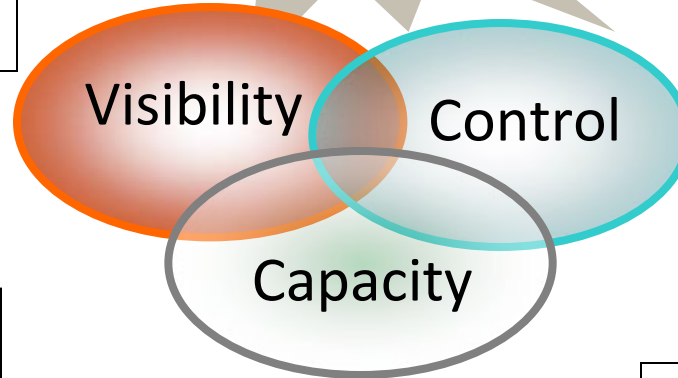
- Environmental Conditions
- Economic Useful Life
- Tailored Work Standards
- Sustainment History

Enablers

IUID, CBM+,
serialized item mgmt

Enterprise Management

- Single Integrated Life Cycle Mgmt
- Synchronize with Modernization Strategy
- Maximize Readiness



Sustainment Footprint

- Right Sized Capacity
- Core Requirements
- Supports the Life Cycle Requirement + Surge
- Organic + Contractors

Knowledge Based Resourcing Decisions

- Isolate cost drivers
- Isolate Readiness drivers
- Flexible Sustainment requirements over time

Life Cycle Sustainment Maintenance

- Pull Production
- Recap/Reset/10/20
- Usage/Condition Based

Equipment Life-cycle 20 + years





Item Unique Identification (IUID)

IUID is a system for individual item identification throughout the supply chain

- Increase visibility in multiple joint logistics systems
 - Increase in-transit visibility
 - Increase visibility of system sustainment history, cost and readiness drivers
 - Enhance reliability and accuracy of property accountability
 - Provide better inventory control
- **DFARS 252.211-7003 (24 November 2008) requires IUID if...**
- Acquisition cost is \$5,000 or more
 - Cost is less than \$5,000 and...
 - Item is designated by the acquiring activity as DoD serially managed, mission essential, or controlled inventory
 - Item is designated to require IUID by the Government
 - It is a parent item that contains sub assembly, component, or part
- **Way Ahead:**
- Utilize Reset Programs to apply markings
 - Incorporate read capability into logistics IT systems
 - Integrate into policy and training
 - Conduct National Maintenance Program Pilot/Test





Honorable Pete Geren Secretary of the Army 2008 Annual AUSA Meeting

“ We have 250,000 Soldiers in 80 countries, and we've been at war for seven years, with 140,000 Soldiers in theater today. And nobody ever asks, who feeds those guys? Our logisticians are victims of their own success. Their work is so good it is invisible - it's a given. Wherever our Army goes, whatever our Soldiers need, whenever they need it, they get it. **The miracle of Army logistics.**”

Thank you for all you do for our Soldiers.



Questions ?