Preparing the Army Reserve for the Fight

Major General Alan Bell
Deputy Commanding General
U.S. Army Reserve Command

February 2007
Vision Statement

The Army Reserve is a community-based federal operational force of skill-rich Warrior-Citizens providing complementary capabilities for joint expeditionary and domestic operations.
Army Reserve Serving a Nation at War

165,444 Army Reserve Soldiers mobilized since 9/11
28,586 Army Reserve Soldiers mobilized today
20 Different Countries that Army Reserve Soldiers are serving in

The Human Toll
131 Army Reserve Soldier Deaths
943 Army Reserve Soldiers Wounded in Action
2 Army Reserve Soldiers Captured
Conditions Have Changed

THEN
- Discrete War
- War as Exception
- Mobilization of RC as Exception
- Whole Units
- Mass over Time
- AR-Supplementary Force
- Linear Battlefield
- Secure Rear Area
- Theaters of War

NOW
- Continuous War
- War as Norm
- Mobilization of RC as Norm
- Kludged Units
- Ready Now
- AR-Complementary Force
- Asymmetrical Battlefield
- No Secure Rear Area
- Global Operations
Commander’s Intent

It is my intent to ensure the Army Reserve continues to provide relevant, joint warfighting capabilities wherever and whenever the Nation requires.

--LTG Jack C. Stultz
Chief, Army Reserve
Army Reserve Support to ARFORGEN

- **R/T - 1**
  - INDIVIDUAL
  - Individual Training
  - Combat veterans reintegrate

- **R/T - 2**
  - COLLECTIVE
  - Army Reserve Function Exercise
    (Squad / Crew / Team Training)

- **R/T - 3**
  - External Evaluation
  - Units in Army Reserve Warrior
    Exercise (Company Team Training)

- **Available**
  - Mobilize
  - Mob Station Validation
  - Deploy
  - Operational Mission

- **Ready**
  - External Evaluation and Validation at Combat Training Center (or equivalent)
  - Battalion/Company External Evaluation

Available for Possible Homeland Security Missions
(size of unit/parts of unit needed to vary)

Mission in Theater Identified
Locked in for Theater Mission

1. **RECONST / CONST**
2. **TRAIN**
3. **VALIDATE CERTIFY**
4. **DEPLOY**

INDIVIDUAL TRAINING
COLLECTIVE TRAINING
SET FORCE
READY AVAILABLE FORCE
Army Reserve Equipping Sources

- New procurement
- The redistribution or cascading of equipment from the Active Component
- Recapitalization and Overhaul of old (Legacy) equipment
- Congressional adds
- National Guard and Reserve Equipment Appropriation (NGREA)
- Supplemental
Army Reserve Challenge: Age of Equipment

M35 Series 2.5-Ton Truck

Economical Usage Life: 20 years
Average USAR Fleet Age: 24 years

M900 Series 5-Ton Truck

Economical Usage Life: 20 years
Average USAR Fleet Age: 24 years

M915 Line-Haul Tractor

Economical Usage Life: 20 years
Average USAR Fleet Age: 24 years
<table>
<thead>
<tr>
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<td>$183,333</td>
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<td>$360,139</td>
<td>$106,241,005</td>
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<td>PLS TRAILERS</td>
<td>$46,731</td>
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<tr>
<td>TRUCK TRACTOR LINE HAUL (M915A3)</td>
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**Total Unfunded Vehicle Requirements: $1.826 Billion**
Army Reserve Solution: Force Protection to the Soldier
Progress in Army Reserve Logistics

- Implementing logistics program that directly supports the Army Force Generation (ARFORGEN) model.
- Reduced the backlog of equipment, redeployed from Iraq and Afghanistan, for inspection, repair, and/or overhaul from 14,000 to less than 1,500 items.
- Achieved a maintenance readiness level of 91 percent for reportable equipment on hand as fully mission-capable.
- Provided Rapid Fielding Initiative equipment to 62,000 Army Reserve Soldiers.
- Integrated 7,014 pieces of equipment transferred from the Active Component to the Army Reserve.
- Inducted 5,337 major end items and 30,725 items for calibration into Depot maintenance.
- Identified $742 million of Army Reserve stay-behind equipment retained in Iraq for replacement (such as HMMWVs, Trucks, Material Handling Equipment and communication equipment).
- Retired 6,800 M16A1 rifles from Army Reserve units in preparation for M16A2, M16A4, and M4 rifle replacement fielding.
Equipping an Operational Reserve

- The modernization of light-medium trucks (75 percent are not Modular Force compatible or deployable and are not integral to training and operational efficiency).

- The modernization of medium line-haul tractors (50 percent do not support single-fleet policy and are not integral to training and operational efficiency).

- Modular Force equipment needed to support designated individual and collective training locations, including unit level collective training in a field environment.
Sustainment Issues:
- Fully fund FY2013 force structure, including replacement of battle and attritional losses due to Operation Iraqi Freedom/Operation Enduring Freedom and the increased training tempo.
- Fully fund Army Reserve participation in the development and fielding of GCSS – A/T and SALE.
- Assure depot maintenance funding at 90 percent or better.
- Recapitalize tactical truck inventory.
- Retain Army Reserve tactical maintenance contract labor to reduce mobilization and training equipment backlogs.
Implementing Equipment Campaign Plan to work NGREA

Cross-leveling massive quantities of equipment

Continuing to execute $92.0M for Depot Rebuild

Implementing new Army Reserve Equipping Strategy

Outsourcing Maintenance
The Centerpiece of the Army Reserve

The American Soldier!
BACK-UP SLIDES
### Army Reserve Challenge: Age of Equipment

#### Average age of equipment exceeds Economical Usage Life

<table>
<thead>
<tr>
<th>CURRENT ON-HAND ITEM</th>
<th>*EUL</th>
<th>AVG AGE</th>
<th>MOD ITEM</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5-Ton Truck (M35 Series)</td>
<td>20</td>
<td>35</td>
<td>LMTV</td>
<td>RED</td>
</tr>
<tr>
<td>5-Ton Truck (M900 Series)</td>
<td>20</td>
<td>24</td>
<td>MTV</td>
<td>YELLOW</td>
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<tr>
<td>HMMWV (All Models)</td>
<td>15</td>
<td>15</td>
<td>HMMWV</td>
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<tr>
<td>M915 Line Haul Tractor</td>
<td>20</td>
<td>24</td>
<td>M915A3</td>
<td>YELLOW</td>
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<tr>
<td>5 Ton &amp; 20 Ton Dump Trucks</td>
<td>15/22</td>
<td>24</td>
<td>M917A1</td>
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<tr>
<td>M878 5-Ton Yard Tractor Truck</td>
<td>10</td>
<td>5</td>
<td>M878A2</td>
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<td>M871 22.5-Ton Semi-Trailer</td>
<td>30</td>
<td>20</td>
<td>M871A3</td>
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<tr>
<td>50K Rough Terrain Cargo Handler</td>
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<td>10</td>
<td>53K RTCH</td>
<td>YELLOW</td>
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<tr>
<td>10K Variable Reach Forklift</td>
<td>15</td>
<td>15</td>
<td>ATLAS</td>
<td>YELLOW</td>
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- **Yellow** = Fleet Average Age > than ½ EUL and < EUL
- **Orange** = Fleet Average exceeds EUL + 10 years
- **Red** = Fleet Average Age exceeds EUL + 10-20yrs
## Army Reserve Challenge: Unfunded Modernization Requirements

<table>
<thead>
<tr>
<th>EQUIPMENT ITEM</th>
<th>TOTAL REQ</th>
<th>ON HAND</th>
<th>ALL SOURCES</th>
<th>SHORT</th>
<th>ITEM COST</th>
<th>TOTAL Short COST FY2006</th>
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<td>LIGHT MEDIUM TACTICAL VEHICLE (LMTV) 2.5-TON TRUCK</td>
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<td>907</td>
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*ALL SOURCES = P1-R, NGREA, CONG ADDS*
Modernization Challenges

Army Reserve Procurement

As of FY07

Modernization Challenges

Army Reserve requires $1.6B/yr over the POM

Army Reserve Procurement

P-1R  NGREA  Cong Adds  Supplemental  Total

As of

21
Current Equipment Status

Assessment based on service life, usage, and EOH as of 31 Dec 06.

- Light Truck Fleet: RED
- Light/Medium Truck Fleet: RED
- Medium Truck Fleet: RED
- Heavy Truck Fleet: AMBER
- MHE: RED
Current reconstitution efforts are directed to the following levels:
- Organizational, DS and GS maintenance personnel perform joint Technical Inspections
- Equipment is repaired at DS/GS levels to Fully Mission Capable and Safety Items
- Organizational maintenance completes repairs to -10/-20 standard
- Only those items recognized as unserviceable through the TI
- The frame of vehicles are only inspected visually.

The result is that our equipment will have unidentified frame and systems fatigue and will suffer “delayed desert damage” from foreign substances left in assemblies and components not disassembled for inspection or repair.

We can expect to see severe or even catastrophic maintenance failure of our redeployed equipment. This will occur even in CONUS at peacetime OPTEMPO, beginning no later than FY 2008. Sustainment costs for this equipment will rapidly exceed funding.
There are three means by which to correct this problem:
- Depot maintenance conducted as soon as possible after arrival in CONUS.
- Recapitalization of the equipment as soon as possible after redeployment.
- Procurement of replacement equipment between FY 06-11.

The solutions, however, are not funded.
- Depot maintenance faces an $372.2M shortfall from validated requirement to funded levels over FY08-13 POM years.
- Recapitalization currently only addresses 3200 M998 HMMWVs, 162 PLS trucks and 66 HETs. This only 33% of our projected numbers for M998A0/1 HMMWVs and 14% of HETs on-hand in FY 2011.
- Procurement planned previous to OIF was based on known shortages.
- Shortages must be reduced and equipment, which is non-deployable or is barely compatible, replaced, to achieve the Modular, “Plug and Play” Army envisioned by the CSA.
- Immediate funding of $1.6B to meet Modularity through ARFORGEN is required, with $300M a year over the POM to sustain the momentum and maintain the force.
Summary

• Lack of adequate funding stream to purchase or upgrade TWV fleet

• Reduced or decremented system quantities and delayed fieldings impacts the ability to meet Transformation goals

• Aging equipment is expensive and labor-intensive to maintain and sustainment funding must be increased

• Substitute or in-lieu-of items perpetuate incompatibility and interoperability issues. These incompatibility issues create impediments to supporting the digitized force and OIF requirements

• Limited benefit from Army Recap program for the Army Reserve

BOTTOM LINE:
• Shortage of new equipment procurement (P-1R) makes funding provided through NGREA, Congressional Add and support of Depot Maintenance Programs vital to the readiness of the Army Reserve TWV fleet
Equipment Assessment

- Light Truck Fleet
  - 17,145 REQ, 12,220 O/H, 29% Short
  - 1,452 identified as AOA = SBE CAT 5
  - Shortage includes 907 M1114 UAH
  - 73% of M998 fleet early production A0
  - Deployed 71% of fleet to OIF1, 2 & 3
  - 875 CUCV O/H ILO in TDA
  - 3,905 M998A0 to M1097A0 RECAP funded for FY06-11
Equipment Assessment

- Light/Medium Truck Fleet  RED
  - 3,665 REQ, 3,104 O/H, 15% Short
  - 1,254 LMTV REQ, SUB by 1,850 M35 series trucks
  - 443 LMTV Planned Procurement
  - Current procurement leaves over 1,000 M35 trucks O/H in FY 2011
Medium Truck Fleet AMBER
- 4,527 5 Ton Tactical Truck REQ, 4,527 O/H, 0% Short
- 374 MTV, Subs 4,119 M900 series, 34 M800 series
- Majority of tractors still require ABS MWO
- Limited numbers of MTVs being released for deploying units
- 286 MTV Planned Procurement
Equipment Assessment

- Medium Truck Fleet (M915 Series) AMBER
  - 2,247 5 Ton Line Haul Tractor REQ, 1,813 O/H, 19% Short
  - 468 A0 and 631 M915A1 O/H
  - 181 A0 being converted to M915A4, 293 programmed
Equipment Assessment

- Medium Truck Fleet

  - 922 PLS Truck REQ, 627 O/H, 22% Short
  - 1,22 PLS trailers REQ, 695 O/H, 54% Short
  - 292 identified as AOA = SBE CAT 5
  - 76 PLS Planned Procurement
  - 667 HEMTT REQ, 635 O/H, 5% Short

  RED
Medium Truck Fleet

- 601 M870 trailers REQ, 515 O/H, 14% Short
- 723 M871 trailers REQ, 1,130 O/H, 0% Short
- 1,140 M872 trailers REQ, 1,849 O/H, 0% Short
- 1,260 M967 tankers REQ, 1,069 O/H, 15% Short
- 377 M969 tankers REQ, 468 O/H, 0% Short
- 480 7.5K tankers REQ, 275 O/H, 43% Short
Equipment Assessment

- Heavy Truck Fleet
  - 343 HET tractors REQ, 338 O/H, 7% Short
  - 343 HET trailers REQ, 336 O/H, 2% Short
  - 743 M916 tractors REQ, 625 O/H, 16% Short
  - 49 M920 tractors REQ, 61 O/H, 0% Short
Equipment Assessment

- Materiel Handling Equipment  RED
  - 566 4K RTFL REQ, 479 O/H, 15% Short
  - 235 6K RTFL REQ, 223 O/H, 5% Short
  - 810 ATLAS & 10K RTFL REQ, 483 ATLAS & 307 10K O/H, 2% Short
  - 222 53K & 50K RTCH REQ, 87 53K & 69 50K RTCH O/H, 30% Short
Depot Maintenance Program (FY06)

- FY2006 Execution: $92.062M
- 180 M931/2 tractors
- 117 M105 trailers
- 45 M101 trailers
- 14 10K RTFL
- 35 4K RTFL
- 25 HEMTT
- 153 HMMWV
- 146 M923/25 trucks
- 41 5000K M967 tankers
- 40 5000K M969 tankers
- 40 M870 semi-trailers
- 60 M872 semi-trailers
- 140 M871 semi-trailers
- 2300 NVG
DEPOT MAINTENANCE CONTRACTOR SUPPORT
FY 06

- LEAR SIGLER $12.2M
  - Trailers, HMMWV, Bridge Boats
- VSE Corp $15.0M
  - Trailers, Fuel/Water Pumps, Decons
- HoneyWell $1.5M
  - 5 Ton Trucks
- Detyens Shipyards $1.8M
  - Watercraft LCU 2000
- Metal Trades $1.7M
  - Watercraft LCU 2000
- Marine Industries NW $2.1M
  - Watercraft LCU 2000