Future Technology for Today’s Army

ARC 2000

MG John S. Caldwell, Jr.
Commanding General

23 May 2000
Outline

• Army Vision
  – Where we are headed
  – The Army Transformation

• Fleet Status
  – The insertion of new technologies

• 21st Century Truck Initiative

• Simulation Throughout the Life-Cycle

• Summary
Where We Are Headed
The Army Transformation

Responsive, Deployable, Agile, Versatile, Lethal, Survivable, Sustainable
To Support Army Readiness

**PRODUCT LINES**

- Combat Vehicles
- Tactical Vehicles
- Trailers
- Construction Eqpt
- Materiel Handling Eqpt
- Tactical Bridges
- Fuel & Water Dist Eqpt
- Sets, Kits & Outfits
- Shop Equipment
- Chemical Defense Eqpt
- Howitzers
- Large Caliber Guns
- Mortars
- Rifles
- Machine Guns
- Ammo
- Aircraft Armaments
- Demolitions & Explosives
- Rail
- Watercraft
- Petro & Lub Eqpt

**MANAGES**

- 186 systems in acquisition pipeline (POM Value $11.2B)
  - 3269 fielded end item NSNs supported
  - 32048 NSNs
  - $2.12B inventory (SSIR)
  - $1.1B customer orders (FY99)
  - $4.6B contracting actions (FY99)
  - engineering support for 7.5M drawings, 964K NSNs
  - 231 R&D projects and programs, 91 CRADAs
  - $1.4B Tech Funding (00-05)
  - Capital Value of TACOM Equipment -- $81.7B

**MAGNITUDE**

- 72% of the Army’s reportable density is TACOM-mgd
- 71% of the equip in a Hvy Arm Div is TACOM-mgd
- 70% of the equip in a Mech Inf Div is TACOM mgd
- 53% of the equip in a Light Inf Div is TACOM mgd
- 56% of AMC’s SORTS systems are TACOM-mgd
- 97% of all Army parent UICs contain TACOM equipment
- 81 allied countries own TACOM equipment

**Plus Technology Development for the next generation of Army Equipment**
Tactical Wheeled Vehicle Fleet

Current New Production Trucks
Need Additional New Technology

Information provided by TACOM
Fleet Management Office - 01/14/00

Committed to Excellence
Technologies for the 21st Century

HYBRID ELECTRIC DRIVE

FUEL CELLS

ACTIVE SUSPENSION

DATA BUSSES & ELECTRONIC CONTROLS

TRUCK PC

NIGHT VISION

IN-CAB ELECTRONICS

Committed to Excellence
Government Agencies and Industry collaborating to improve fuel efficiency, reduce emissions, increase safety, and reduce the cost of ownership for the nation’s commercial and military trucks.
Simulation Throughout the Life Cycle

Physical Simulation

Virtual Reality

Analytical Modeling

LMTV DRIVELINE ANALYSIS

Committed to Excellence
Summary

• The Army will undergo major changes to support the vision for the 21st Century.

• TACOM is the system integrator for ground vehicle systems development and sustainment.

• Technology revolution and manufacturing innovation are required to meet the challenges we face.

• Military, Industrial and Academic partnerships are essential.