2016 Tactical Wheeled Vehicles (TWV) Conference
Major General Clark W. LeMasters
TACOM Life Cycle Management Command
10 May 2016
MISSION
Develop, acquire, equip, and sustain the world’s most capable ground and support systems for joint warfighters through the integration of effective and timely acquisition, logistics, and technology (AL&T).

VISION
Be the Army’s preeminent ground and support system provider postured to deliver continued overwhelming battlefield dominance through 2025 and beyond.
TACOM LCMC - Equipping Our Soldiers

**Core Competencies**
- Acquisition
  - Lifecycle Management
  - Development • Production • Fielding
- Logistics
  - Logistics Support • Sustainment
- Technology
  - Research • Development • Engineering

**The Magnitude**
- 500 Acquisition Programs
  - $30.0B U.S. Dollar Value
- 3200 Product Lines
- 38K Components
- 60-65% Managed Equipment in a Brigade Combat Team
- 130 Allied Countries

**Product Lines**
- Combat Vehicles
- Tactical Vehicles
- Mine Resistant Ambush Protected
- Armored Security Vehicle
- Route Clearing Vehicle
- Howitzers
- Rifles / Machine Guns
- Large Caliber Guns
- Mortars
- Fuel & Water Distribution Equipment
- Rapid Fielding Initiative (RFI)
- Robotics
- Aircraft Armaments
- Soldier Uniforms & Equipment
- Force Providers
- Materiel Handling Equipment
- Chemical Defense Equipment

**Additional Items**
- Trailers
- Watercraft
- Rail
- Construction Equipment
- Commercial Vehicles
- Fuel & Lubricant Containers
- Sets, Kits & Outfits
- Shop Equipment
- Tactical Bridges

(*Not all inclusive)
Strength of the Industrial Base

**Core** - Critical Manufacturing Capabilities
**Complementary Capabilities** - Best Value

Factors: Size, Capabilities, Capacity, Balance, Investments, Affordability

**P3** - Public Private Partnership

**Commercial**
Additional opportunities through increased visibility

**Organic Industrial Base**
Statute for at least 50% organic capability

**Readiness**

**Depot and Arsenal Key Capabilities/Capacity**

- **Red River Army Depot (RRAD)**
  - HMWV, MRAP, Trailers, FMTV, PLS, HET, HEMTT, and Heavy Tactical Vehicles.
  - Engines, Transmissions, Wheels, Axles and Fire Suppression Systems Overhaul
  - Secondary item Overhaul
  - Material Handling Equipment, Construction Equipment, and Bridging Remanufacture

- **Rock Island Arsenal-Joint Manufacturing and Technology Center (RIA-JMTC)**
  - HMWV Ambulance
  - Founding, Forging, Machining

- **Sierra Army Depot (SIAD)**
  - Fuel & Water Systems
  - Retrograde of Material & Redistribution of Serviceable Assets
  - End of First Life Center - Long Term Storage & Management of Major End Items
  - Trailers
The Army’s Organic Industrial Base: A National Security Readiness Insurance Policy

Depots:
- Remanufacturing
- Complete End Item Overhaul
- Component Overhaul
- Other Military Service Work
- Other Government Work
- Public-Private Partnerships (P3) on-site
  - Manufacturing
  - Maintenance
- Fabrication of Commercially Unavailable Components and Parts
  - Reverse Engineering
  - Flexible Light Manufacturing
- Depot Field Teams In-Theater

Arsenals:
- Complete Manufacturing Plant
- Unique Capabilities:
  - New Weapons Prototyping
  - End Item Production
  - Spare/Repair Parts Production
- Two Types of Arsenals:
  - Hard Iron (Watervliet, Rock Island Arsenal)
  - Chemical (Pine Bluff)

TACOM LCMC Arsenals and Depots

Rock Island Arsenal
- Towed Artillery
- Hydro-Pneumatic
- Recoil Mechanisms Provider of
  - 7-Axis Machining Center
  - 11-Axis Tube Cutter
  - Forging

Sierra Army Depot
- Reverse Osmosis Water Purification Unit
- Petroleum & Water Dist
- Tool Kits, Dollies, Military Vans
  - 36K + Acres & 5,250,000 sq. ft. of storage
  - 10,000 ft. airfield for cargo aircraft
  - Non-Army Managed Item, Major End Item Storage Provider For

Watervliet Arsenal
- Tank Cannons
- Mortars
- Towed Artillery Provider of
  - Rotary Forge Machine
  - Barrel Bore Coating Facility
  - Gun Tube Rifling System

Joint Systems Mfg Center - Lima (GOCO)
- Abrams Main Battle Tank
- Stryker Combat Vehicle

Anniston Army Depot
- Combat Vehicles
- Small Arms
- Artillery
  - 15,139 Acres
  - Sole Provider For
    - Heavy Combat Veh Overhaul
    - Small Arms Overhaul
    - Turbine Engine Reciprocating Engine

Red River Army Depot
- Bradley and MLRS
- Tactical Wheeled Vehicles
- Mine Resistant Ambush Protected Vehicle Provider of
  - Rubber Products Fluidized Bed
  - Rubber Compound Injection Mold Press

Key Partnerships
- GENERAL DYNAMICS
- BAE SYSTEMS
- CAM General
- Raytheon
- Honeywell
Red River Army Depot (RRAD)
Center of Industrial and Technical Excellence
Tactical Wheeled Vehicles

**CAPABILITIES**

- Inspection & Testing
- Engines & Transmission
- Powertrain Repair and Overhaul
- Axles, Final Drives, Drive Train and Transfer Cases
- Reset/RECAP
- Component Repair
- Ballistic Armor Welding
- Dynamometer Testing
- Radiators & Coolant Systems
- Heat/Air Conditioning
- Fabrication of Armor Components
- Forward Fielding and Repair Support
- Electronic Wiring Harnesses
Fleet Management Sustainment Challenges

Light Tactical Vehicles

FY2016
- HMMWV Ambulance: 4,125
- HMMWV Armor Tow Carrier: 27,097
- C2/Shelter/Carrier: 94,586
- Total: 125,808

FY2025
- HMMWV: 84,877
- Joint Light Tactical Vehicle (JLTV): 12,798
- Total: 101,357

Army Fleet Management Constraints:
- System Life Cycle
- Investment Decisions (Pure Fleet?)
- Maintaining the Fleet
- Effective Useful Life (EUL) / Divestiture

Opportunities:
- Sustainment now and in the Future
  - Spare and Repair Parts Provider
  - Obsolescence
  - Modification Work Order (MWO)
  - Public Private Partnerships (P3)
Teaming / Partnering Opportunities

**Public Private Partnership Opportunities**

- **Successes**
  - Red River Army Depot / AM General/Partnership Overhaul of M1152A1 and M1165A1 Up-Armored HMMWVs
  - Red River Army Depot / AM General/Partnership Conversion of M1151A1’s to the M1167 TOW Variant
  - Watervliet Arsenal partnership with Electralloy

- **FMTV Reset**
  - Red River Army Depot Supply Chain Management services rebuy under TACOM Strategic Services Solutions contract (TS3)

- **Army Watercraft**
  - Logistics Support, TACOM LCMC/Defense Logistics Agency collaboration leveraging the Special Operational Equipment Tailored Logistics Support Programs
1. Register with Dun & Bradstreet (D&B) at http://fedgov.dnb.com/webform to obtain a Data Universal Numbering System (DUNS) number. A DUNS number is a unique numeric identifier assigned to a single business entity.

2. Register in the System for Award Management (SAM), www.sam.gov in order to receive a Contractor and Government Entity Code (CAGE) required to be eligible for a prime contact. You must have a tax identification number to register.


**Points of Contact for Assistance**

**Subcontracting Opportunities**
Small Business Administration (SBA) Sub-Net - [www.sba.gov/subnet](http://www.sba.gov/subnet)


DoD Prime Contract Descriptions - [www.defense.gov/contracts](http://www.defense.gov/contracts)

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**TACOM LCMC Headquarters**
Army Contracting Command - Warren
Phone: (586) 282-7027
Email: usarry.detroit.acm.mbxx.des-wo@mail.mil

**TACOM Office of Small Business Programs**
Phone: (586) 282-5388
Email: usarry.detroit潭m.mbxx.lcmo-ossb@mail.mil

**TACOM LCMC Competition Management Office**
Future and Potential Buys/Source Approval Program
Phone: (586) 282-5207
Email: usarry.detroit潭m.mbxx.lcmo-competition-management-office@mail.mil

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**TACOM LCMC Depots and Arsenals**
Anniston Army Depot (ANAD)
Phone: (256) 235-6512

Red River Army Depot (RRAD)
Phone: (318) 334-5046

Sierra Army Depot (SIDA)
Phone: (530) 827-5153/4888

Rock Island Arsenal-Joint Mfg and Technology Center (RIA JMTCC)
Phone: (309) 782-0567
[https://ria.army.mil/](https://ria.army.mil/)

WATERVIET Arsenal (WVA)
Phone: (518) 266-4005

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**Procurement Technical Assistance Centers (PTAC)**
To contact a PTAC outside of Michigan, please visit: [www.ptac-us.org](http://www.ptac-us.org)
Questions?