

Sustaining Systems For Readiness: Innovative Industry Support Solutions

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General Dynamics Land Systems is a World Class Designer, Manufacturer and Sustainer of Combat Systems

DEMO III Robot



Stryker MGS



Enabling Technologies

AAAV



Light

M1A2 SEP



Medium

Heavy

The Abrams Main Battle Tank (MBT) System

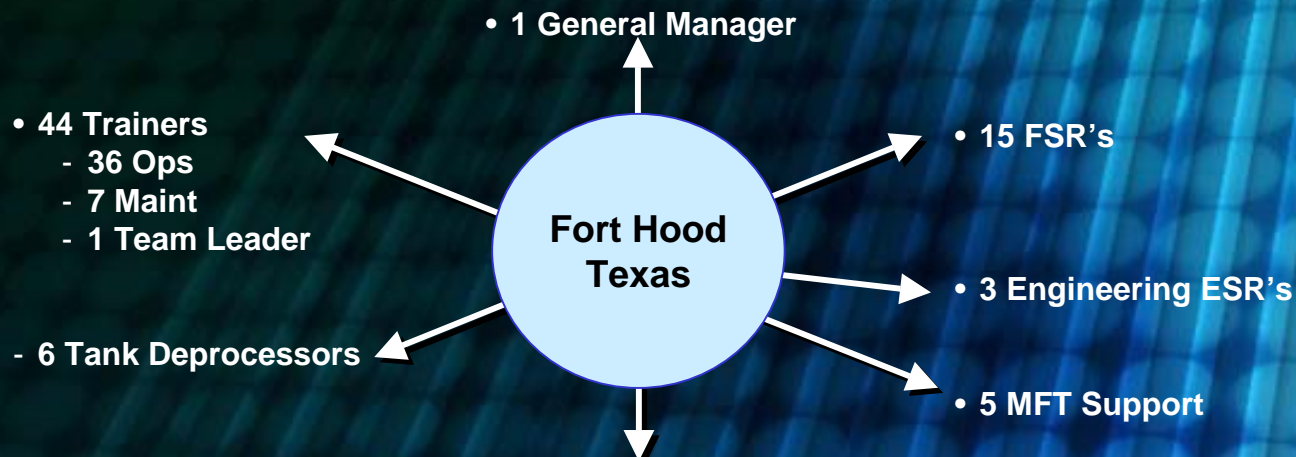
- Today's Premier Ground Combat System - - Ready to Go to War
- Over 7000 Tanks Deployed Worldwide (USA, USMC, FMS)
- Abrams has undergone Four Major Evolutions since 1980
 - M1: New Tank System
 - M1A1: Selected Component Improvements
 - M1A2: Total System Upgrade / Digital
 - M1A2 SEP: Increased Capability / Capacity
- Today's Production
 - M1A2 SEP
 - M1A2 SEP Retrofit (M1A2 to 'Like New')
 - M1A1 AIM (M1A1 to 'Zero Mileage')
- Full Life-Cycle Support



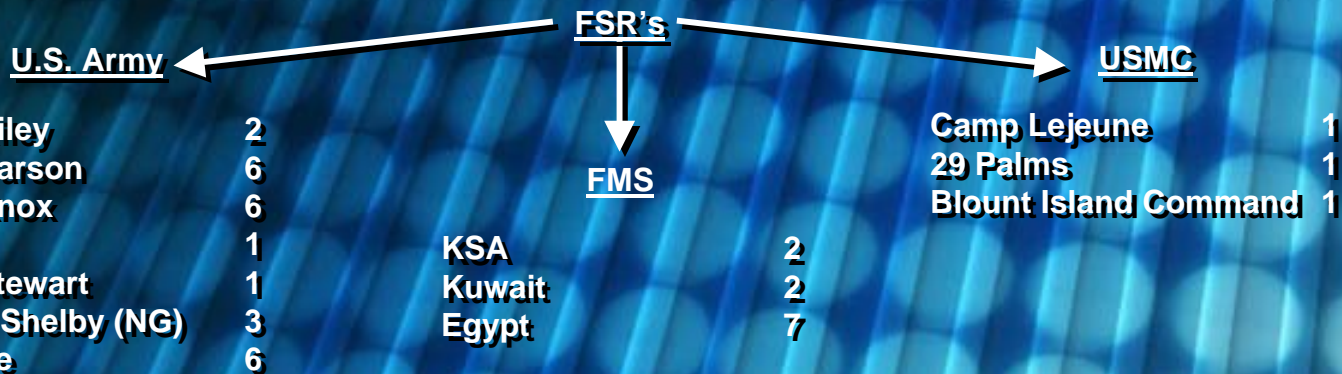
***The Abrams Legacy Fleet will Remain
in Service Until 2020 and Beyond***

Abrams Field Support

"Servicing Our Customers"



Tap Warehouse (3 FSRs / 7 Parts Supply)



Legacy Weapon System Sustainment - The Challenges

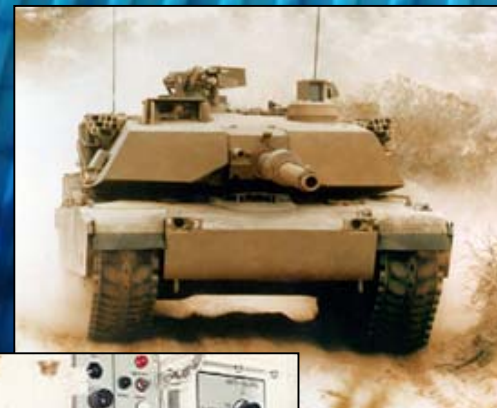
- Obsolescence (Occurs Throughout the Life Cycle)
- Inserting Technical, Software Driven Enhancements into Fielded Systems
- Partnering with Government Depots to Leverage the Capabilities of Industry and Government
- Being Responsive to Reduced Service Operations and Sustainment Budgets
- Transitioning from "Inventory Based" to "Performance Based" Logistics
- Supporting DoD's Logistics Transformation



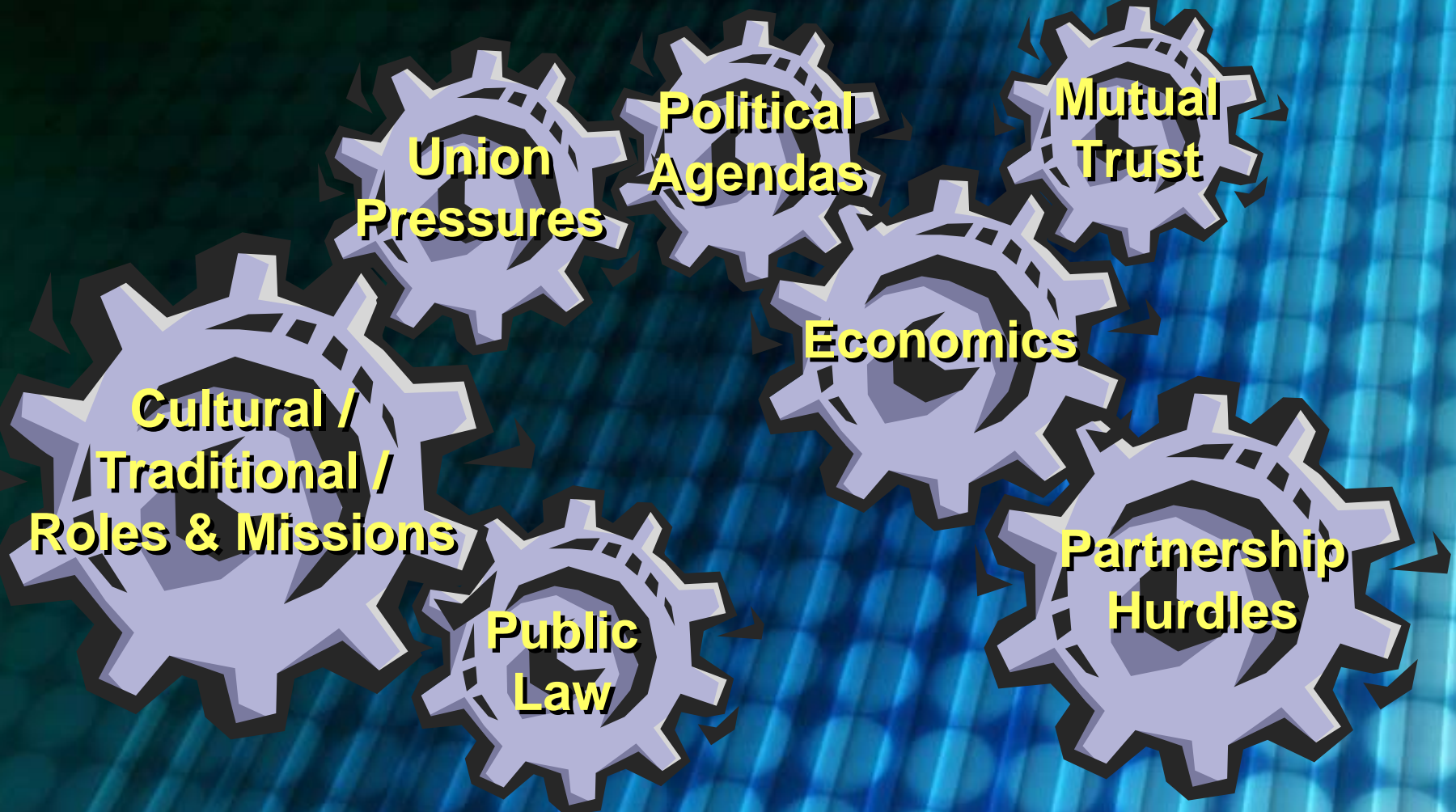
Partnering with Industry

Anniston Army Depot / GDLS Partnership

- M1 / M1A2 Upgrade
- Gunner's Primary Sight (GPS)
- Fox Upgrade / Maintenance
- M1A1 "Zero Mileage" Rebuild (AIM)
- Stryker Family of Vehicles



The Challenges to Partnering



**Union
Pressures**

**Political
Agendas**

**Mutual
Trust**

Economics

**Cultural /
Traditional /
Roles & Missions**

**Public
Law**

**Partnership
Hurdles**

Depot Partnering: The Path Forward

- Consider Partnership Opportunities on the Front End
- Refine Complementary Core Competencies
 - “Collaborative” Manufacturing and Maintenance Processes
 - Critical Skills Integration
- Develop A Fully Integrated Depot System
 - Connected by a Seamless Data Exchange Environment
 - Use Latest Commercial Business Practices and Technology
- Reduce Total Ownership Cost

Performance Based Logistics Initiatives

- DLA Corporate Contract
- Team Armor Partnership (TAP)



Abrams Strategic Alliance Partnership (ASAP) Between DLA and GDLS

- DLA Initiative: “Manage the Supplier, Not the Supplies”
- Abrams and AAV are 2 of 30 DoD Pilot Programs for Acquisition Reform of Life Cycle Support
- Performance Based Contract (Three Year Base with Four 3-Year Option Periods)
 - Direct Vendor Delivery of Parts in 2, 5, or 12 Days
 - Supports the DLA Commodity Centers (Columbus, Richmond, Philadelphia)



The Challenge: Keeping Readiness High Despite Reduced O&S Budgets

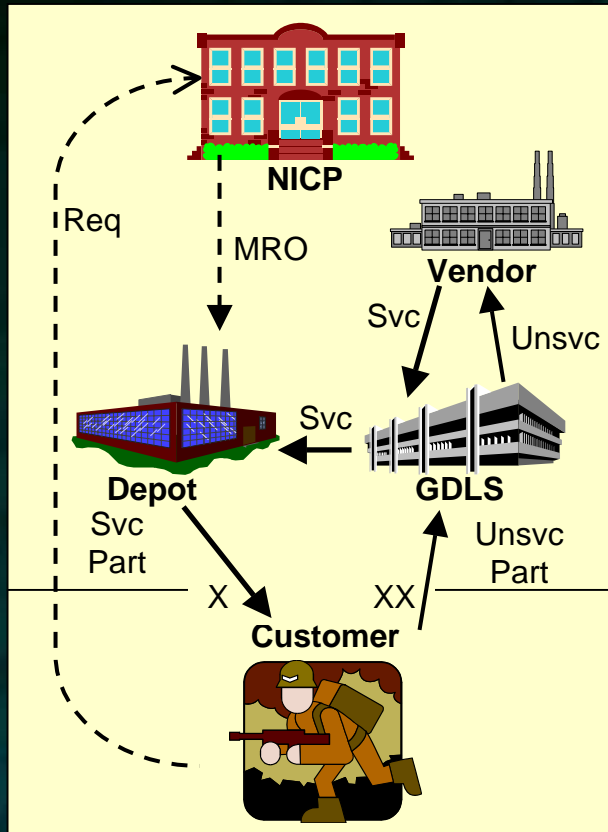
- Under the Team Armor Partnership (TAP), Abrams Tank LRU Test / Exchange and Repair Activity Established at Ft. Hood, Texas
- Reduces Need to Send LRUs Back for Contractor Diagnosis and Repair
- TAP Concept has Saved Field Commanders Critical Time and Sustainment Dollars
- TAP Activity Accompanied Field Units to National Training Center (NTC) and the "Bright Star" Exercise in Egypt - Will Deploy for Contingencies



TAP Concept

Logistics Evolution

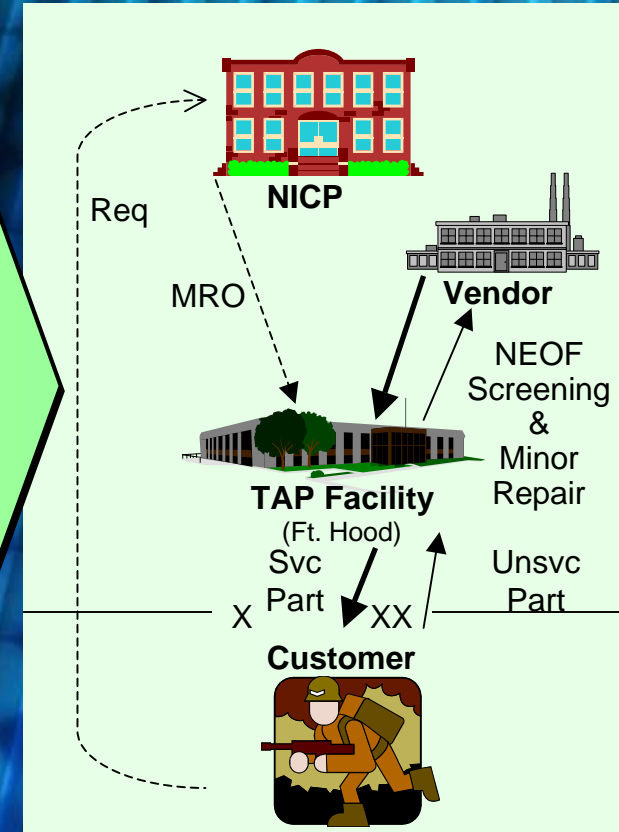
Old Process



Improvements/Benefits

- The Contractor Becomes the Depot
 - Storage is on-site at Ft. Hood
 - Streamlined Repair Process
 - Bypasses the Depot
 - Reduced Pipeline / Costs
- Continuing Process Improvements
 - No Up-Front Customer Funding Required
 - Direct Shipment to Local Customers
- Transparent to Soldier

New Process



- GDLS is the Depot Level Repair Facility for M1A2 Unique Support
- Customers Use SARRS to Process Request for Issue or Turn In
- TAP Operates within Current Supply System Policy and Regulations

The Path Forward for Sustaining System Readiness

- Identify and Aggressively Solve Obsolescence Issues
- Build / Expand Depot Partnerships
- Enter into a More Enduring (15 Year) Partnership with Defense Logistics Agency
- Seek Performance Based Service Support Contracts
- Help the Army Reduce its Logistical Footprint

