



TACOM

Lethality, Survivability, Mobility and
Sustainment for America's Army



APBI – Future (and Current) Force Business Opportunities 30 October 2003

MG N. Ross Thompson III
Commanding General

Tank-automotive & **A**rmaments **COM**mand

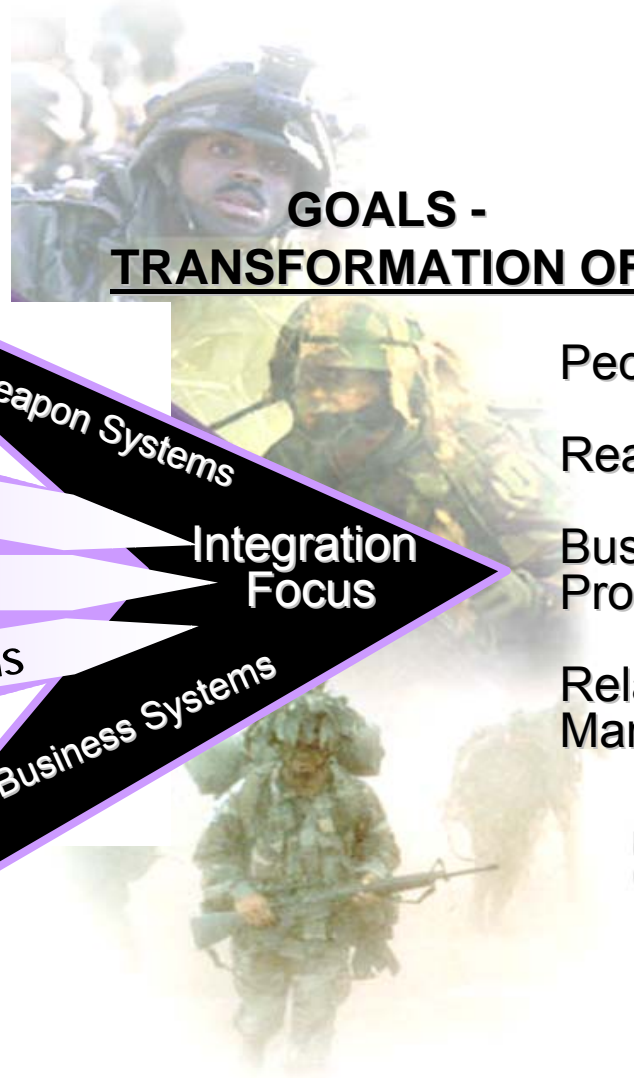
AGENDA:

- CSA Focus Areas
- Support to Current Operations
- Lessons Learned
- PBL and Public / Private Partnerships
- Industrial Base
- How You Can Help

CSA 15 Focus Areas

- The Soldier
- The Bench
- The Network
- Modularity
- Joint Expeditionary Mindset
- Active Component / Reserve Component Balance
- CTCs and BCTP
- Unit Manning
- Army Aviation
- Installations as Flagships
- Authorities, Responsibilities, and Accountability
- Current to Future Force
- Resource Processes
- Strategic Communications
- Leader Development and Education

Systems Integration Focus



DESIRED TRAITS

Leadership
Strategic Thinking
Communication
Employee Support
Teaming
Organizational

GOALS - TRANSFORMATION OF:

People
Readiness
Business Processes
Relationship Management

CORE COMPETENCIES (Operating Principles)

Integrated Logistics Support
Innovation, Risk Management
Contracting & Acquisition Support
Continuous Process Improvement
Industrial Enterprise Operations

Weapon Systems

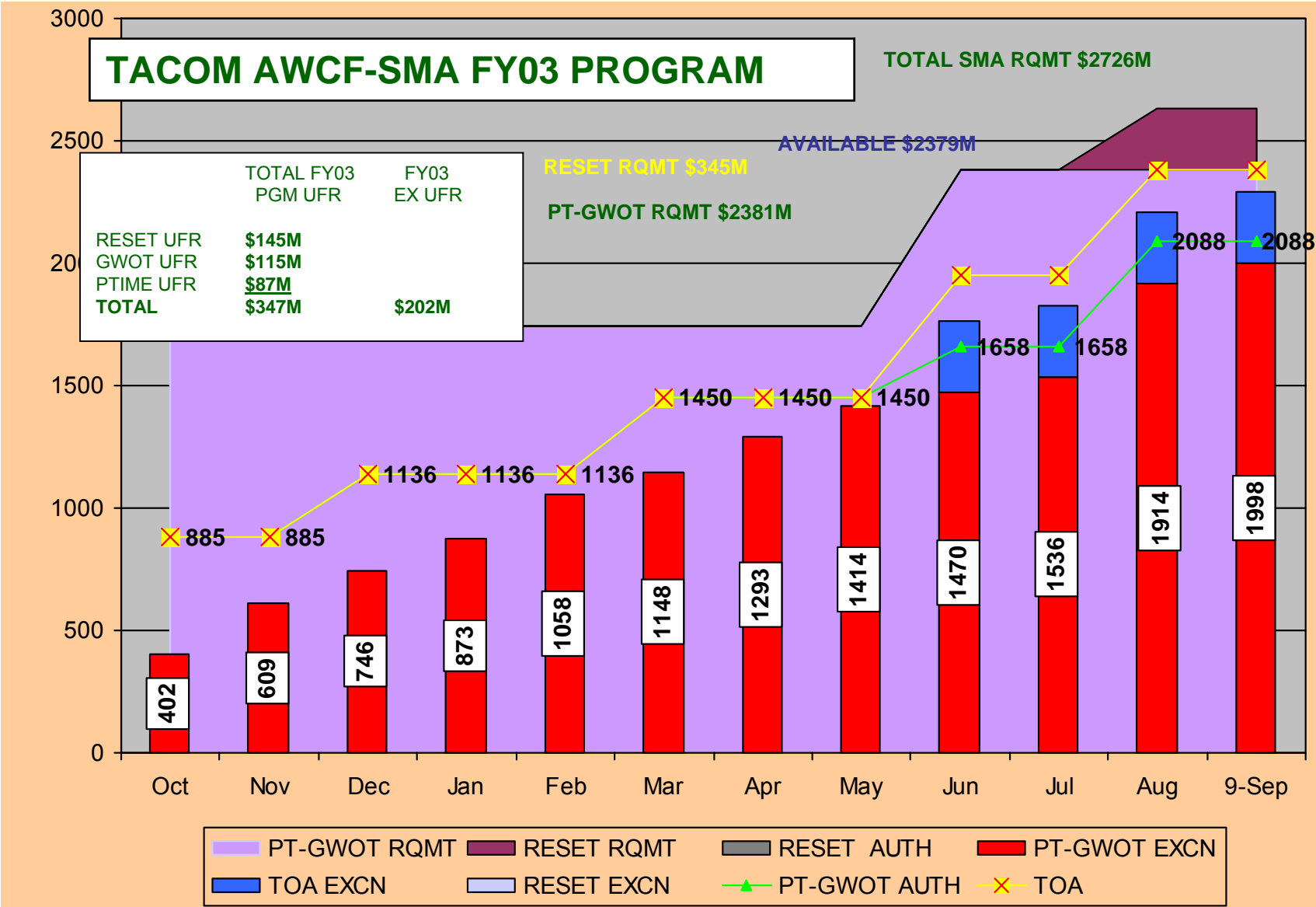
Integration Focus

Business Systems

Wartime Support Examples

	<u>FY02</u>		<u>FY03</u>		<u>Δ</u>	
	<u>\$M</u>	<u>Quantities</u>	<u>\$M</u>	<u>Quantities</u>	<u>\$M</u>	<u>%</u>
Track	\$77.8	507,178	\$202.0	1,323,523	\$124.2	260%
* Abrams	\$54.2	203,177	\$104.2	375,832	\$50.0	192%
* Bradley	\$7.3	67,059	\$50.6	483,340	\$43.3	693%
Tires	\$55.0	256,764	\$243.0	942,364	\$188.0	442%
* HMMWV	\$12.0	47,782	\$50.4	204,191	\$38.4	420%
* HET	\$1.1	5,818	\$16.0	87,796	\$14.9	1455%
Engines	\$184.0	10,004	\$354.0	12,361	\$170.0	192%
* AGT 1500	\$66.4	410	\$153.2	816	\$86.8	231%
* HMMWV	\$33.3	6,056	\$90.4	11,865	\$57.1	271%
* 1790	\$23.4	595	\$60.0	687	\$36.6	256%
Transmissions	\$15.2	2,333	\$26.5	9,183	\$11.3	174%
* Tank	\$9.8	393	\$14.7	543	\$4.9	150%
* Bradley	\$11.5	651	\$20.2	886	\$8.7	176%
	\$332		\$826		\$494	249%

87.3% Funded



(Ken Kish, TACOM, DSN786-6825,9/9/03)

FY04 AWCF (\$M) – TACOM

<u>Requirements</u>	<u>FY03 UFR</u>	<u>FY04</u>	<u>TOTAL</u>
<i>Peacetime</i>	\$ -	\$ 1636.1	\$ 1636.1
<i>CONOPS</i>	\$ 212.0	\$ 158.5	\$ 370.5
<i>Reset</i>	\$ 200.3	\$ 489.1	\$ 689.4
<i>TOTAL Requirements</i>	\$ 412.3	\$ 2,283.7	\$ 2,696.0

Spares Funding

<i>OA for Combat Equipment</i>	\$ 709.6
<i>OA for Chemical/Soldiers</i>	\$ 186.0
<i>OA for Trucks/Tactical</i>	\$ 172.8
<i>OA for Deployment Equipment/Tires</i>	\$ 106.3
<i>OA for Small Arms</i>	\$ 86.5
<i>OA for Other PSIDs</i>	\$ 201.6

**FY03-04 Reset Requirement = \$898.5
23% of Requirement has been obligated**

TOTAL AWCF Spares Funding **\$ 1,462.8**

Unfinanced Requirement **\$ 1,233.2**

TACOM RESET Requirement OMA*

*Includes
APS*

Units	Industrial Base Workload FY 03/04 Requirements	Track \$M	Wheel \$M	MHE Construction \$M	Chem/Bio \$M	Small Arms/ Mortars \$M	Grand Total \$M
2/82	133	\$1.8M	\$7.5M	NA	NA	NA	\$9.3M
3ID	965	\$60.2M	\$100.4M	NA	NA	NA	\$160.6M
101 ^s	562	\$2.9M	\$31.4M	NA	NA	NA	\$34.3M
3 rd ACR	574	\$51.8M	\$45.5M	NA	NA	NA	\$97.3M
4 th ID	1680	\$107.7M	\$138.9M	NA	NA	NA	\$246.6M
ARF 1&3	841	\$30.8M	\$23.9M	\$3.5M	NA	NA	\$58.2M
ARF 2	716	\$54.9M	\$31.1M	\$1.3M	NA	NA	\$87.3M
APS 5,2 & 4	852	\$33.1M	\$38.0M	\$3.6M	NA	NA	\$74.7M
173 rd	65	\$1.9M	\$1.9M	\$1.9M	NA	NA	\$5.7M
2 ACR	27	\$.4M	\$14.2M	\$.6M	N/A	NA	\$15.2M
1 AD	567	\$54.8M	\$31.0M	\$3.3M	N/A	NA	\$89.1M
SBC	NA	NA	NA	NA	\$168.4M	NA	\$168.4M
TOTAL	6,388	\$345.1M	\$418.6M	\$10.3M	\$168.4M	\$101.0M	\$1222.2M

AWCF TACOM Forecasted Requirements for 10/20 – 3D **

	Quantity	Dollars
USAREUR/FORSCOM – FY 03/04	41,872	\$359.6M
Industrial		\$423.3M

AWCF-SMA Requirements
FY 03 – \$345M
FY 04 – \$438M

Source: *19 Aug/5 Sep 03 RESET matrix

** AWCF-SMA TACOM estimate

Robert M. Laichalk, AMSTA-LC-CI, DSN: 786-6275

Critical Suspension Parts

M1 ABRAMS

- Track
- Sprocket
- Roadarm RT, 2, 7

BFVS

- Track Adjuster
- Carrier Sprocket
- Road Wheel
- Track
- Arm Ass'y (L)
- Arm Ass'y (R)
- Wheel Hub

U/A HMMWV

- Spring Helical Rear, M113
- Spring Helical Front, M113
- Bushing Sleeve
- Spring Helical Rear, M114
- Spring Helical Front, M114
- Lower Ball Joint
- Radial Tire

PALADIN

- Torsion Bar 0224
- Torsion Bar 0226
- Torsion Bar 0225
- Track

Other Critical Parts

M1 ABRAMS

- Voltage Regulator
- Exhaust Seal
- Fuel Filter Ass'y
- Prime Power Control
- Exhaust Duct
- Hull Power Dist Unit
- Relay Ass'y

BFVS

- Target Station C. Panel
- Sensor Ass'y Unit
- Drivers Display
- FCP CCA
- Switching Unit

HMMWV

- Fuel Pump
- Engine
- Wheel Ass'y
- Transmission
- UA R. Front Window
- UA L. Front Window
- UA Engine
- Starter

PALADIN

- Equilibrator
- Prog Interface Unit
- Backup Battery
- Firing Mechanism
- Fire Control Computer
- Generator

Operation Iraqi Freedom TACOM's Lessons Learned

- Use of Lessons Identified
- Distribution Issues - Theater Distribution Center Throughput; Lack of In-Transit Visibility
- War Plans (pre-deployment/ deployment phases; impact areas – personnel deployment, logistic support and sustainment)
- Inadequate War Plans / TDA to Support the Operation - Logistic Support Elements (LSE) are not Properly Resourced to Perform their Mission
- Stovepiped Support
- Deterioration of Green-Suit Maintenance Skills, Focus and Discipline
- Defense Logistics Agency's (DLA) Role in Establishing a Forward Stockage Capability In-theater
- Support of Non-Standard Army Items
- Lack of Consistent Operational Readiness and Logistics Data from Theater
- Lack of AWCF Obligation Authority and Timing of that Authority

G-4 FOCUS

➤ **“CONNECT” OUR LOGISTICIANS**

- ✓ Enable Agile, Reliable Comms with 24 / 7 Capability into the Enterprise
- ✓ Plug / Un-plug as needed
- ✓ Enable “Sense and Respond” Logistics
- ✓ Includes Logistics, Personnel, Medical and Engineers (Operational Sustainment)

➤ **MODERNIZE THEATER DISTRIBUTION**

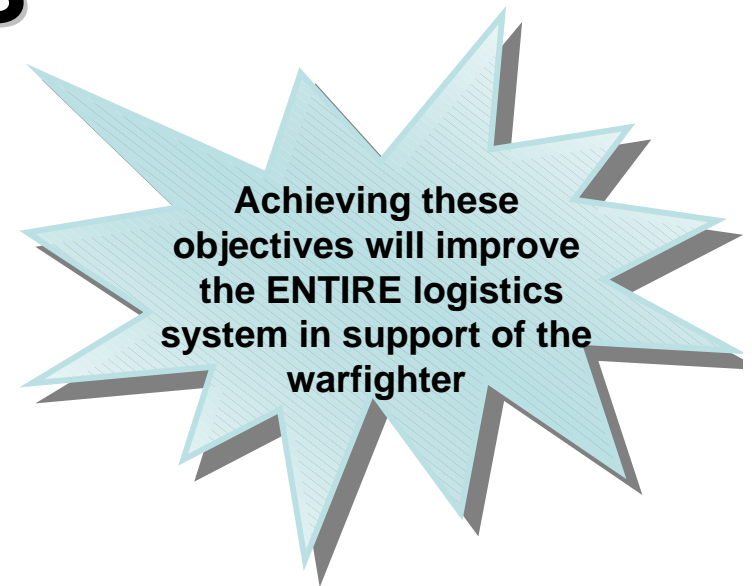
- ✓ Single Proponent- Transportation Corps
- ✓ Enforce Positive Control of Entire Supply Chain
- ✓ Near Real Time Visibility, Capacity and Control
- ✓ Agile, Trained Logisticians in Modular, Tailorable Formations

➤ **IMPROVE FORCE RECEPTION CAPABILITY**

- ✓ Flexible Capability to Receive Forces & Equipment
- ✓ Strategic Connectivity- Theater Log C2 Node
- ✓ Sustainment Capability Embedded in Structure
- ✓ Life Support-Care of Soldier

➤ **INTEGRATE THE SUPPLY CHAIN**

- ✓ Single Proponent- Quartermaster Corps



CRITICAL TO SUCCESS

- Adequate Funding
- Policy Modernization
- Doctrine Development and Redesign
- Force Structure Redesign
- Advanced Logistics Weapons Platforms

Performance-Based Logistics

≠

Contractor Logistics Support

TACOM INDUSTRIAL BASE PROGRAM

BENEFITS GSIE Partnerships



MOVING WITH THE ARMY'S TRANSFORMATION

Future Partnerships

- GSIE & FCS LSI – FCS Log Support
- GSIE & GDLS – Stryker Maintenance
- GSIE & UDLP – FCS MG/UGV Production
- GSIE & GDLS – FCS MG/UGV Production
- GSIE & Lockheed Martin – UGV Production
- GSIE & FCS LSI – Depot Maintenance
- GSIE & Oshkosh – HEMTT Maintenance

Current Major Partnerships

- GDLS & ANAD – Stryker Assembly
- Hartchrom & WVA – Chroming of Gun Tubes
- RIA & RIA Development Group – Site Manager
- WVA & The Arsenal Partnership – Site Manager
- SIAD, TARDEC & ANAD – 3K ROWPU
- SIAD & Lear Siegler – Manpower Support
- RRAD & Lockheed Martin – MLRS OH/Rebuild
- RRAD & Titan Wheel Corp – Roadwheels

Partnerships Being Developed

- ANAD & Raytheon – USMC AGT 1500 Engine
- UDLP & RRAD – Rubber Products Facility
- UDLP, RRAD & ANAD – HMMWV Work
- WVA & U of Albany – Nanotechnology Center
- RIA & MKM Engineering – Admin Space

For AMC, BRAC should mean Base Reconfiguration Around Competencies

- **AMC Centers of Excellence**
- **System-focused Centers of Excellence within other services**
- **Academic Centers of Excellence**
- **Industrial Centers of Excellence**

The goal should be the geographical conjunction of several of the categories listed above

Suggested key criteria for evaluation of AMC Installations:

- Clearly defined core capabilities.
- Ability to provide an optimal workforce possessing both high quality core competency skill sets plus a world-class understanding of the product line.
 - Proximity of intellectual talent (AMC, other Services, Academia)
 - Proximity of commercial sector activities applicable to the product line.
- Versatility (multiple and/or joint capabilities/functions)—now and in the future.
- Homeland defense potential
- Power projection capabilities
- Flexibility—capacity to meet changing/increasing operational requirements

How You Can Help

- Support Army Requirements
- Contract Actions
 - Administrative and Production Lead Times
- Partnerships
 - Strategic Supplier Alliances
 - Industrial Base Restructure
- Symposiums and Conferences
- Funding
 - FY04 / FY05 Budget
 - Carry Over
- Innovative Ideas
- Quality Products – On Schedule – Under Budget

SUPPORT OUR SOLDIERS!