



NDIA ATE Army Liaison Report

1 November 2015

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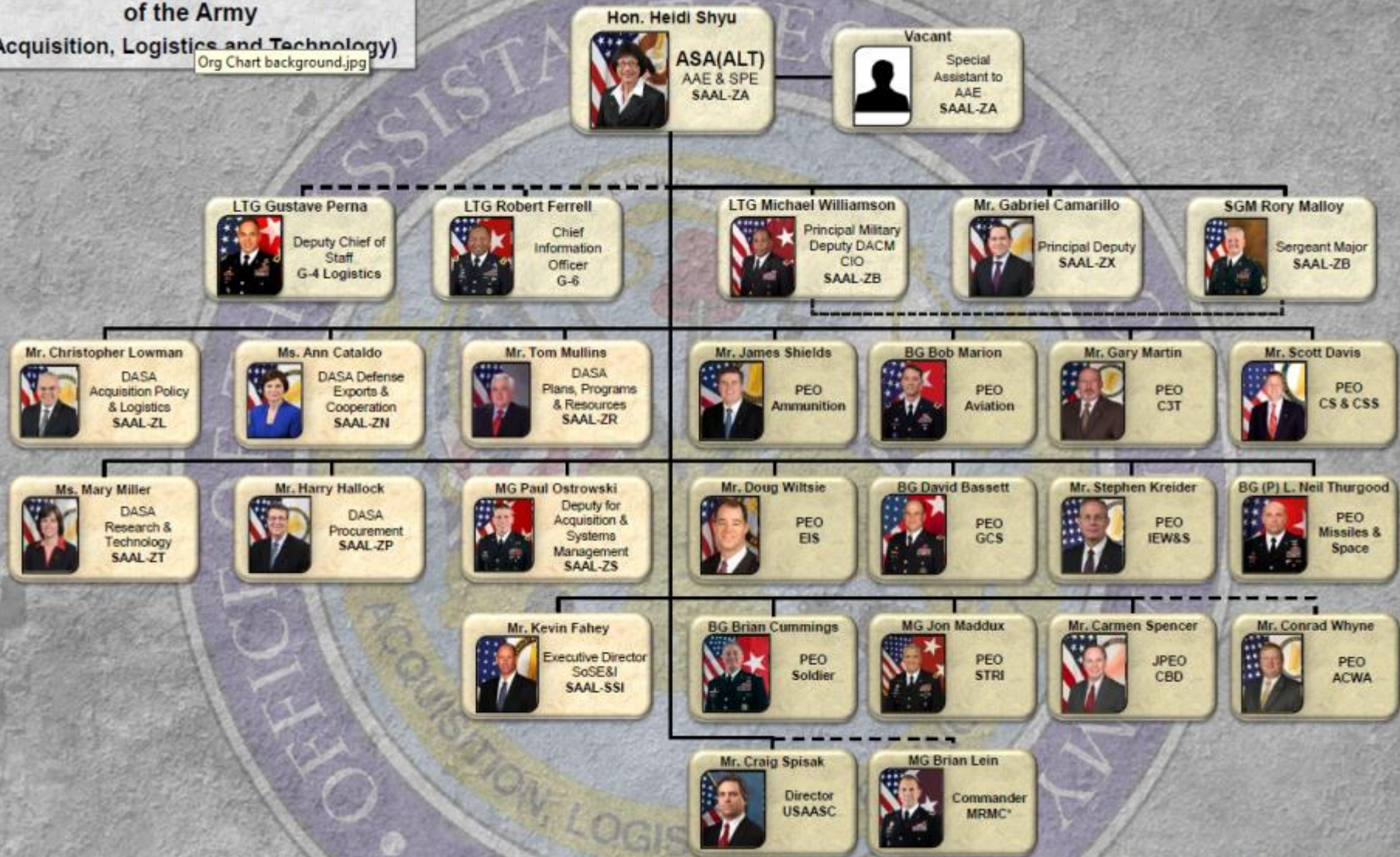
Agenda

- Office of Assistant Secretary of the Army
- PEO Ground Combat Systems (GCS)
 - Organization
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 - GCS Platform Modernization
- PEO Combat Support & Combat Service Support (CS&CSS)
 - Organization
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 - Acquisitions
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Office of the Assistant Secretary of the Army

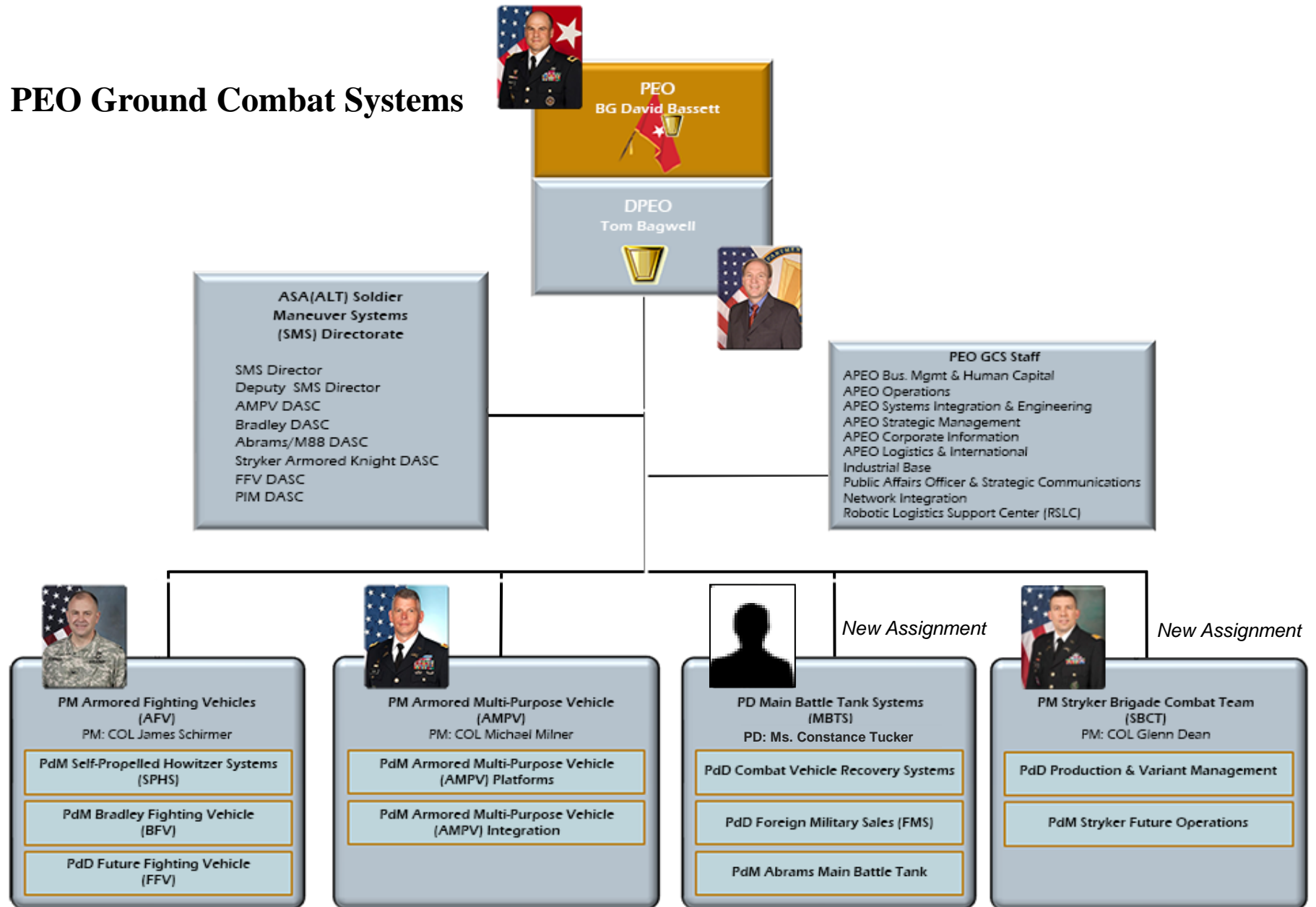
As of 07/06/15

Office of the Assistant Secretary
of the Army
(Acquisition, Logistics and Technology)
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* Deputy for Medical Systems. Receives acquisition oversight but reports to the Surgeon General

PEO Ground Combat Systems



Armored Multi-Purpose Vehicle (AMPV)

- AMPV Engineering and Manufacturing Development (EMD) contract awarded to BAE Systems Land & Armaments Dec 23 2014
- Provides a replacement for M113 Family of Vehicles
- Initial award 52-month base term ~\$388M
 - Includes 29 vehicles
- Potential \$1.2B EMD and Low Rate initial Production
- Currently anticipate 2,897 vehicles



Ground Combat Systems Modernization

GCS Modernization - Primarily Executed through the ECP Process

- Abrams
 - GDLS awarded ECP 1 development contract Sep 2012
 - Fielding scheduled for FY17
- Bradley
 - ECP 1 production contract awarded
 - BAE awarded ECP 2 development contract Sep 2012
 - ECP 2 fielding scheduled for FY17
- Stryker BCT
 - On 14 Mar 2013, the Army Systems Acquisition Requirements Council (ASARC) approved ECP R&D Phase II
 - Phase II award to GDLS Sep 13
 - ECP Production FY18
- Paladin SPHS (PIM Program)
 - BAE Sole Source LRIP contract awarded in FY14
 - FRP FY17, Production Quantities: 580 sets

PEO Combat Support & Combat Service Support



PEO CS&CSS Portfolio

Expeditionary Energy & Sustainment Systems (E2S2)

Small Power Sources	Medium Power Sources	Large Power Sources	Battery Power Sources	Force Sustainment Systems
 <ul style="list-style-type: none"> • 2kW Military Tactical Generator • 3kW Tactical Quiet Generator (TQG) • Small Tactical Electrical Power (STEP) • 60K BTUH IECU • 9K, 18K, 36K IECU • 120K IECU 	 <ul style="list-style-type: none"> • 5, 10, 15, 30, 60kW Advanced Medium Mobile Power Sources (AMMPS) • 5-60kW Tactical Quiet Generators (TQG) • Power Units/Power Plants 	 <ul style="list-style-type: none"> • 100/200kW Tactical Quiet Generators (TQG) • 100/200kW Large Advanced Power Sources (LAMPS) • Power Distribution Illumination Electrical (PDISE) • Intelligent Power Management 	 <ul style="list-style-type: none"> • Standardization of Batteries 	 <ul style="list-style-type: none"> • Cargo Airdrop Systems • Combat Feeding Systems • Field Service Systems • Force Provider & Base Camps • Shelter Systems & Heaters • Mortuary Affairs Equipment

Force Projection Equipment

Bridging	Combat Engineer/Material	Petroleum & Water Systems	Sets, Kits, Outfits & Tools	Test, Measurement, & Diagnostic Equipment	Applique & Large Unmanned Ground	Unmanned Ground Vehicles
 <ul style="list-style-type: none"> • Bridges / Bridge Erection Boat • Bridge Transporters • M9 Armored Combat Earthmover/Assault Breacher 	 <ul style="list-style-type: none"> • Container Handling Equipment • Loaders • Cranes • Dozers • Excavators 	 <ul style="list-style-type: none"> • Fueling Systems • Water Systems 	 <ul style="list-style-type: none"> • Sets, Kits & Outfits • Engineer Combat Support Eq • Diving Equipment • Shelter Mounted Sets, Kits & Outfits • Shop Set Equipment 	 <ul style="list-style-type: none"> • Integrated Family of Test Equipment (IFTE) At Platform Test Systems • Common Embedded Diag • Calibration Sets (CALSETS) • IFTE Off Platform Automatic Test Systems • General Purpose Electronic Test Equipment (GPETE) • Maintenance Support Device (MSD-V3) • Next Generation Automatic Test Station (NGATS) 	 <ul style="list-style-type: none"> • Husky Mounted Detection System (HMD/S) • Route Clearance & Interrogation System (RCIS) • M160 Robotic Light Mine Field 	 <ul style="list-style-type: none"> • Small Unmanned Ground Vehicle (SUGV) 310 • Route Reconnaissance and Clearance (R2C) • Man Transportable Robotic System (MTRS) • Common Robotic System-Individual (CRS-I)

PEO CS&CSS Portfolio

Joint Light Tactical Vehicles

Joint Light Tactical Vehicles



Mine Resistant Ambush Protected Vehicles

Mine Resistant Ambush Protected Vehicles



- MATV UIC
- MaxPro Dash ISS
- MaxPro LWB Ambulance



- Buffalo
- Mine Clearance Vehicle (MCV)
- Explosive Hazard Pre-detonation
- Husky (Vehicle Mounted Mine Detector (VMMD))
- MMPV Type II (RG31)
- MMPV Type I (Panther)

Assured Mobility Systems



Transportation Systems

Heavy Tactical Vehicles



- Heavy Expanded Mobility Tactical Truck (HEMTT)
- M915 Family of Vehicles & Trailers
- Heavy Equipment Transport (HETS)
- Container Handling Unit (CHU)
- Palletized Load System (PLS)

Medium Tactical Vehicles



- Family of Medium Tactical Vehicles (FMTV)
- Tractor Trailer

Light Tactical Vehicles



- HMMWV Family of Vehicles
- UAH Safety Enhancements
- HEAT Trailer

Allied Tactical Vehicles



- Mobile Strike Force Vehicle (MSFV)
- Light Tactical Vehicles (LTV)
- Medium Tactical Vehicles (MTV)
- Sport-Utility Vehicles (SUV)
- Buses

Army Watercraft Systems



- 115 Ton Barge Derrick (BD)
- Landing Craft Mechanized (LCM 8) Mod II
- Landing Craft Utility (LCU) 2000
- Tugs (Large (LT) & Small (ST))
- Logistics Support Vessel (LSV)
- Roll-on/Roll-off Discharge Facility (RRDF)
- Floating Causeway (FC)
- Modular Warping Tug (MWT)
- Causeway Ferry (CF)
- Barge Fueller (BF)

Joint Light Tactical Vehicle

- 27-month FFP EMD Contracts, 22 Aug 2012
 - AM General: \$64.5M
 - LM: \$66.5M
 - Oshkosh: \$56.4M
- EMD Prototypes (22 ea.) delivered Aug 2013 for testing
- Oshkosh awarded Production Contract on 25 Aug 2015
 - \$6.7B (17,000 vehicles)
 - Procurement thru ~2040, ~55,000 Total vehicles (~\$30B)
- LM protest September 2015





TMDE Overview



At-Platform Test Equipment:
Maintenance Support Device (MSD), Internal Combustion Engine Kit (ICE, SWICE)



Used by all weapon systems maintainers at Field and Sustainment Levels to perform At platform maintenance.

Off-Platform Test Equipment:
BSTF, Next Generation Automatic Test System (NGATS)



Supports repair of Line Replaceable Modules at Field and Sustainment Levels for multiple weapon systems.

General Purpose Electronic Test Equipment
Modernization (TEMOD)



Provides Field and Sustainment Level testing of weapon systems operational tolerances.

Calibration Sets (CALSETS):
Calibration Instruments & Standards



Performs Sustainment Level calibration / quality assurance for General Purpose Electronic Test Equipment that supports weapon systems.

Innovation for Today and Tomorrow's Expeditionary Forces

Next Generation Automatic Test System



Automatic Test Station



TPS Storage



Description:

A highly mobile, rapidly deployable, general-purpose, reconfigurable automatic test system which directly supports testing and screening of Army weapon systems to maintain their readiness to shoot, move, and communicate. **Designated to replace Direct Support Electronic Systems Test Set (DSESTS), Base Shop Test Facilities (BSTF), versions 3 and 5, and other legacy ATE.**

NGATS Fielding:

- NGATS will replace legacy ATE
- Projected AAO is 186 systems

NGATS Status:

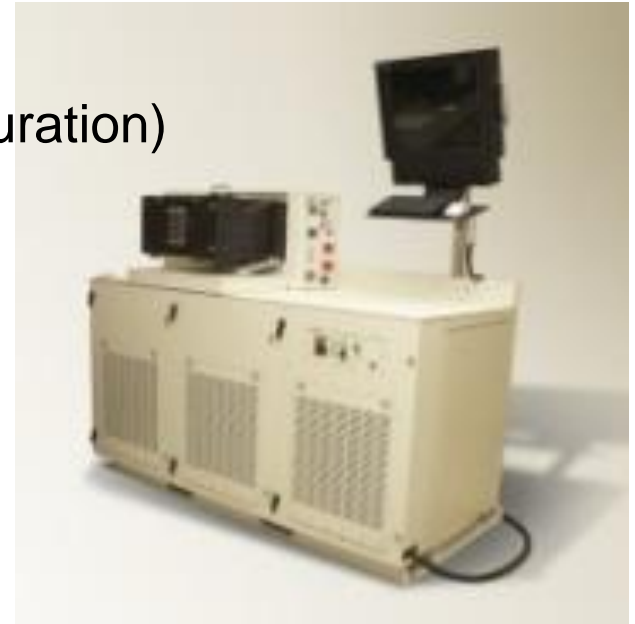
- Console contract awarded September 2014
- First Article Test completed September 2015
- NGATS Shelter RFP released May 2015

Current and Future Major Weapon Systems Supported by an Off Platform Test System



TMDE Programs – Next Generation Automatic Test System (NGATS)

- Console/System Integration Full Rate Competition
 - Awarded Sept 2014 to Boeing
- First Article Test Complete Sept 2015
- Army Reliability Test Event
 - Anticipate March 2016 (Free Standing)
 - Anticipate October 2016 (Shelter Configuration)



TMDE Acquisitions – NGATS Shelters

- NGATS Shelter competition (ATE, TPS Shelters)
 - RFP closed 31 Jul 2015
 - Anticipate contract award Jan 2016



TMDE Acquisitions – Misc.

- Various General Purpose Electronic Test Equipment Modernization projects (TEMOD) – anticipated FY16 Contract Awards
 - ME-572()/U Ammeter (2QFY16)
 - OS-305/U Oscilloscope (2QFY16)
 - OS-307/U Oscilloscope (2QFY16)
 - TS-4548/P RF Power Meter (2QFY16)
 - TS-4544/U Telecommunications Test Set (3QFY16)
- Multiple Calibration instruments & standards acquisitions
- Maintenance Support Device & SWICE Production
 - MSD-V4 (Rugged) RFP anticipated release 2QFY16
 - MSD-V4 (Light) RFP anticipated release 4QFY16
 - SWICE production ongoing

Picatinny ATSD Acquisitions – ATE Engineering Services IDIQ

- ATE Engineering Services IDIQ – Large Business IDIQ
 - Continuing to release tasks
- ATE Engineering Services IDIQ – Small Business IDIQ
 - Continuing to release tasks
 - Approaching current ceiling
 - Anticipate new contract RFP early CY 16

Picatinny ATSD Activity

- Current NGATS TPS rehost/development activity
 - Abrams/Bradley (all variants)
 - STRYKER (all variants)
 - STRYKER MGS
 - CREW DUKE/THOR
 - FireFinder
 - Paladin PIM
 - CROWS
 - M777
 - Husky
 - Spider
- Other
 - Army Field level maintenance study in-process

