



NDIA ATC Army Liaison Report

11 September 2016

Scott Brown

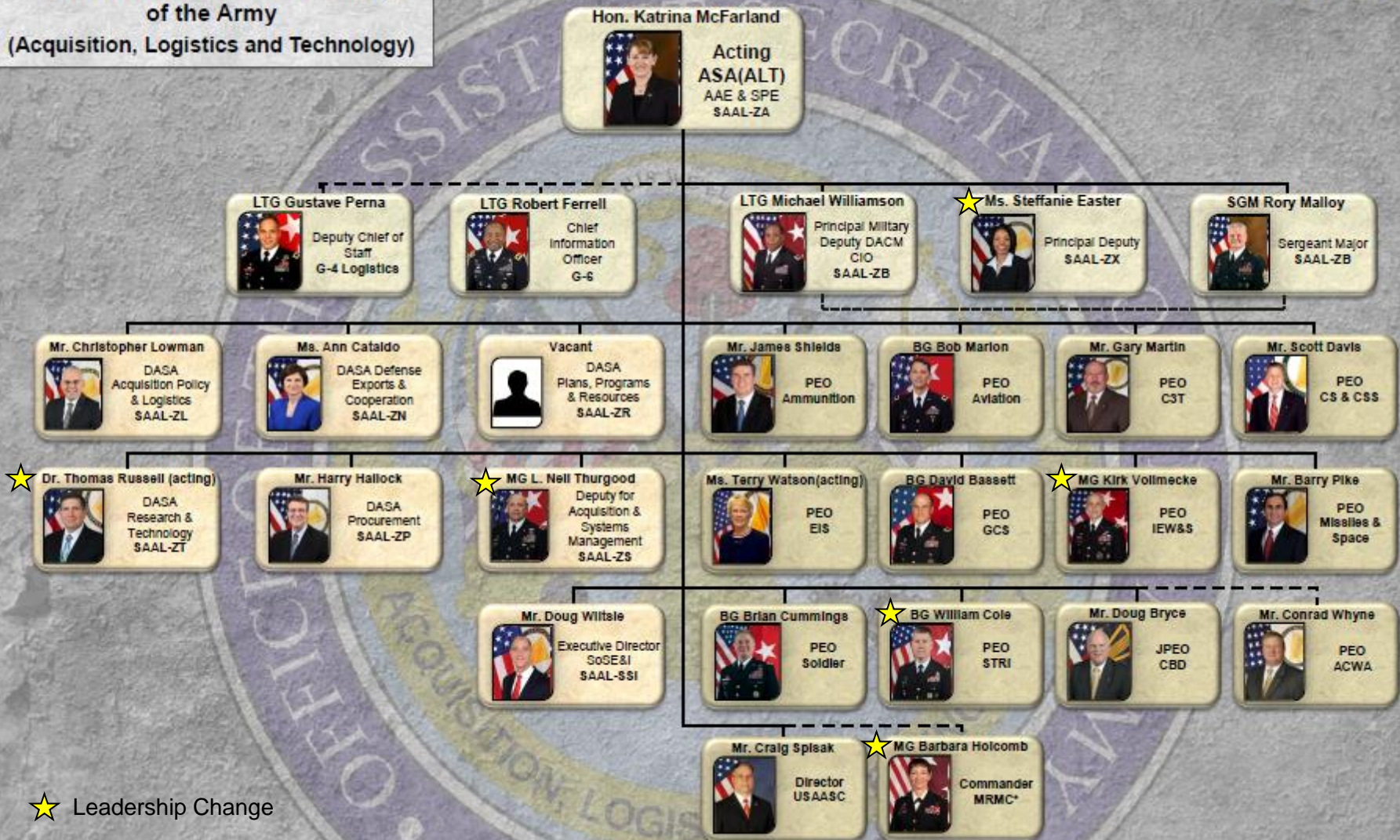
Agenda

- Office of Assistant Secretary of the Army
- U.S. Army's Rapid Capabilities Office
- PEO Ground Combat Systems (GCS)
 - Organization
 - Armored Multi-Purpose Vehicle (AMPV)
 - GCS Platform Modernization
- PEO Combat Support & Combat Service Support (CS&CSS)
 - Organization
 - Portfolio
 - Joint Light Tactical Vehicle (JLTV)
 - Test Measurement & Diagnostic Equipment (TMDE)
 - Portfolio
 - Next Generation Automatic Test System (NGATS)
 - NGATS Shelters
 - Acquisitions
- Picatinny Automatic Test System Division (ATSD)
 - Acquisitions
 - Activity

Office of the Assistant Secretary of the Army

Office of the Assistant Secretary
of the Army
(Acquisition, Logistics and Technology)

As of 08/04/16



* Deputy for Medical Systems. Receives acquisition oversight but reports to the Surgeon General

Leadership Changes

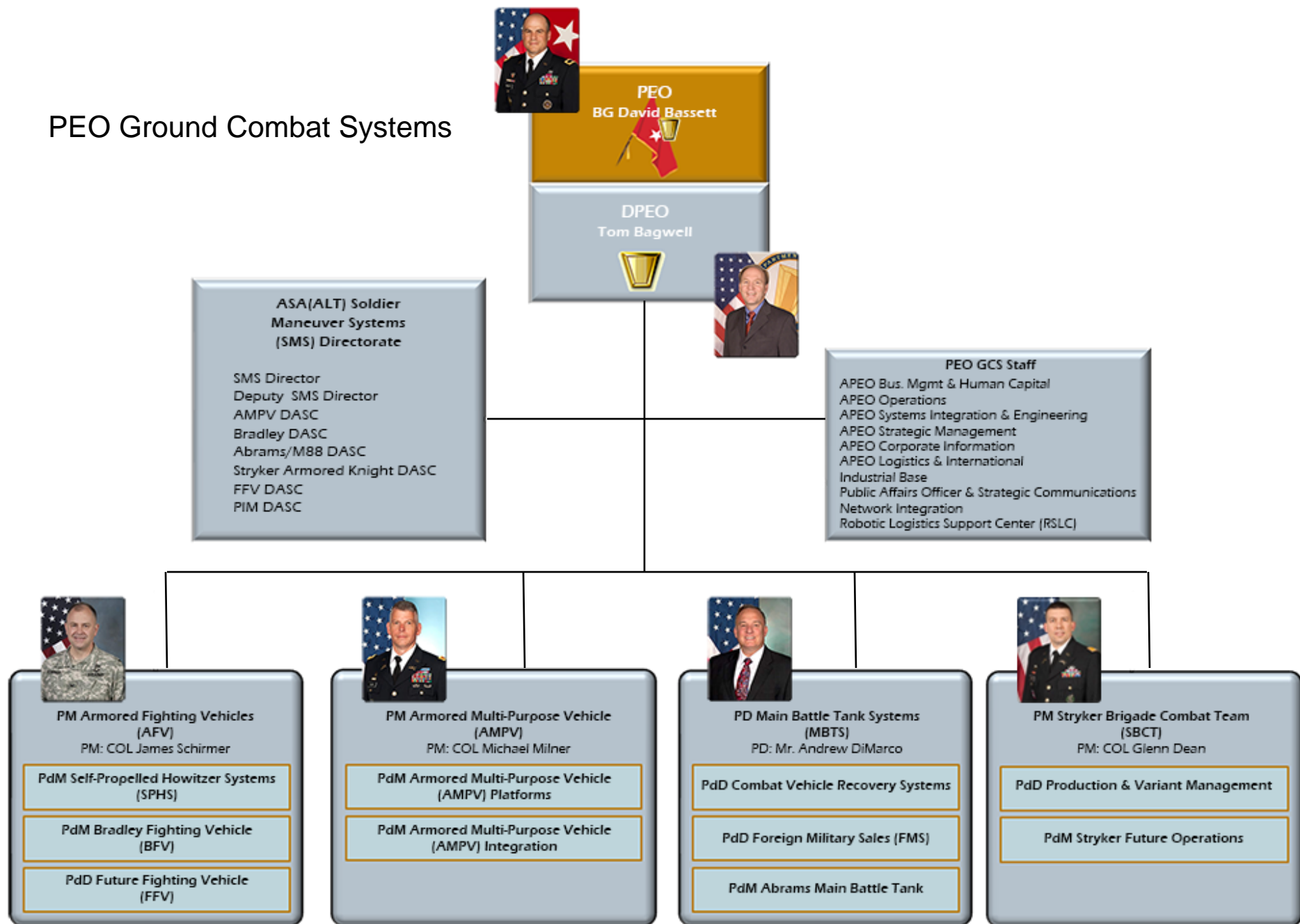
- Assistant Secretary of the Army
 - Hon. Katrina McFarland remains Acting ASA (ALT)
- Principal Deputy
 - Ms. Steffanie Easter fills vacant position
- Deputy Assistant Secretary of the Army for Research & Technology
 - Dr. Thomas Russell (Acting) replaces Ms. Mary Miller
- Deputy for Acquisition & Systems Management
 - MG L. Nell Thurgood replaces MG Paul Ostrowski
- PEO Intelligence, Electronic Warfare and Sensors
 - MG Kirk Vollmecke replaces Mr. Stephen Kreider
- PEO Simulation, Training and Instrumentation
 - BG William Cole replaces MG Jon Maddux
- Commander Medical Research and Material Command
 - MG Barbara Holcomb replaces MG Brian Lein

U.S. Army's Rapid Capabilities Office

The new office will conduct rapid materiel development and delivery efforts to address immediate, near-term, and mid-term Combatant Commanders' needs. It will focus on rapid prototyping and initial equipping of capabilities, beginning with the areas of cyber, electronic warfare, survivability and positioning, navigation and timing (PNT), as well as other priority projects that will enable Soldiers to decisively operate and win in contested environments.

The Rapid Capabilities Office will report to a board of directors led by the Secretary of the Army, and will be led on a day-to-day basis by Rapid Capabilities Office Director Douglas K. Wiltsie. Wiltsie previously served as the Executive Director, System of Systems Engineering and Integration, Office of the Assistant Secretary of the Army (Acquisition, Logistics and Technology), and as the Program Executive Officer for Enterprise Information Systems.

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
 - Required Commercial Off-the-Shelf design that can be incrementally improved
- Provides a replacement for M113 Family of Vehicles
- Initial award 52-month base term ~\$388M
 - Includes 29 vehicles for testing
- Planned 3-year LRIP contract in 2020, ~289 vehicles
- Currently anticipate 2,897 vehicles @ \$3.7M ea., built over 13 years
- The operational maintenance cost requirement of the AMPV is up to \$90 per mile, compared to \$58 per mile for the M113.
- Currently planning TPS development using NGATS



Ground Combat Systems Modernization

GCS Modernization - Primarily Executed through the ECP Process

- Abrams
 - GDLS upgrade program in 2014, ~\$120M
 - Focus on gas mileage, sights and sensors
- Bradley
 - BAE awarded ECP 2 development contract Sep 2012, Field FY17
 - Projected Production: FY16 – 240, FY 17 - 337
- Stryker BCT
 - Phase II award to GDLS Sep 2013, Field FY18
 - Production: FY16 – 92, FY 17 - 123
- Paladin (PIM Program)
 - BAE Sole Source LRIP contract awarded in FY14
 - FRP FY17, Production Quantities: 580 sets

Major Platform Upgrades Remain a Significant Effort

PEO Combat Support & Combat Service Support

Principal Military Deputy to the (ASA(ALT))
LTG Michael E. Williamson



Senior Official Performing the Duties of the Assistant Secretary of the Army for Acquisition, Technology, and Logistics (ASA(ALT))
Honorable Katharina McFarland



Principal Deputy to the (ASA(ALT))
Ms. Steffanie Easter



Executive Officer
Mr. Kent Shea
APEO Business Management:
Mr. Greg Sili (Acting)
APEO Logistics:
Mr. Glen Broman
APEO FMS/Integration:
COL James Craig
APEO Systems Engineering/Information Technology:
Ms. Michelle Minto
Milestone Decision Authority Coordinator:
Mr. Graham Compton
Director of Communication:
Mr. Michael Clow
Director of Current Operations:
Mr. Jim Ellis

Program Executive Officer
Mr. Scott Davis



Deputy PEO
Mr. Michael Cadieux (Acting)



Chief of Staff
COL John Cavedo, Jr.



Force Projection
PM: Mr. Bryan McVeigh
DPM: Mr. Steve Roberts



PdM Bridging
LTC Jeff Biggans



PdM Combat Engineer/Material Handling Equipment
LTC Brian Watson



PdM Petroleum & Water Systems
LTC Craig Fournier



PdM Sets, Kits, Outfits & Tools
Mr. Wolfgang Petermann



PD Test, Measurement, & Diagnostic Equipment
Mr. Oral D. Walker



PdM Appliqué & Large Unmanned Ground Systems
LTC Cory Berg



PdM Unmanned Ground Vehicles
Mr. Louis Anulare



Robotics Logistic Support Center
Ms. Michelle Link



Expeditionary Energy & Sustainment Systems
PM: COL Maurice Stewart
DPM: Mr. Paul Richard



PdM Small Expeditionary Power Sources
Mr. Mark Corzine



PdM Mobile Electric Power Systems
LTC Harold Henderson



PdM Force Sustainment Systems
LTC Frank Moore



PD Battery Power Sources
TBD



PD Contingency Basing Infrastructure
Mr. Ray Folden



Joint Program Office Joint Light Tactical Vehicle
PM: COL Shane Fuller
DPM: Mr. Mike Sprang
DPM-USMC: Mr. Andrew Rodgers



PD LTV Test
Mr. Thomas Svisco



PdM Vehicle Systems
LtCol John Gutierrez



PdM Systems Integration
LTC Rob Barnhill



Mine Resistant Ambush Protected Vehicles
PM: COL Jason Craft
DPM: Mr. Michael Loos



PdM Vehicle Systems
LTC Joel Franklin



PL Assured Mobility Systems
MAJ Thomas Crary



Transportation Systems
PM: COL Dan Furber
DPM: Mr. Eric Fletcher



PdD Medium Tactical Vehicles
Mr. Alvin Bing



PdM Heavy Tactical Vehicles
LTC Jeffrey Jurand



PdM Allied Tactical Vehicles
LTC Russell Hoff



PD Army Watercraft Systems
Ms. Zina Kozak-Zachary



PD Light Tactical Vehicles
Mr. Steven Rienstra



PL Ground Mobility Vehicle
Ms. Jennifer Johnson

Force Projection – Organization/Leadership Changes



LTC Garth Winterle
(Outgoing)

Summer 2016



LTC Brian Watson
(Incoming)

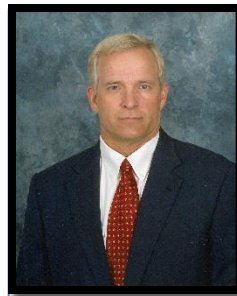


LTC Christopher Ford
(Outgoing)

Summer 2016

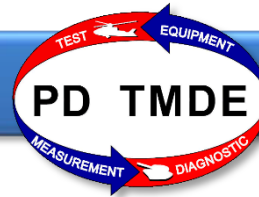


Mr. Wolfgang Petermann
(Incoming)



Mr. George Mitchell
(Outgoing)

Summer 2016



Mr. Oral Walker
(Incoming)



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

- Oshkosh awarded Production Contract on 25 Aug 2015
 - \$6.7B (17,000 vehicles)
 - Procurement thru ~2040, ~55,000 Total
 - Total Program Cost dropped from ~\$30B to ~\$25B, due to realised savings vs estimates, updates to purchasing profile...
- Army's first order March 2016 – 657 systems
- May '16 Army disclosed JLTV to be used for Light Reconnaissance Vehicle (LRV) rather than new system





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.**

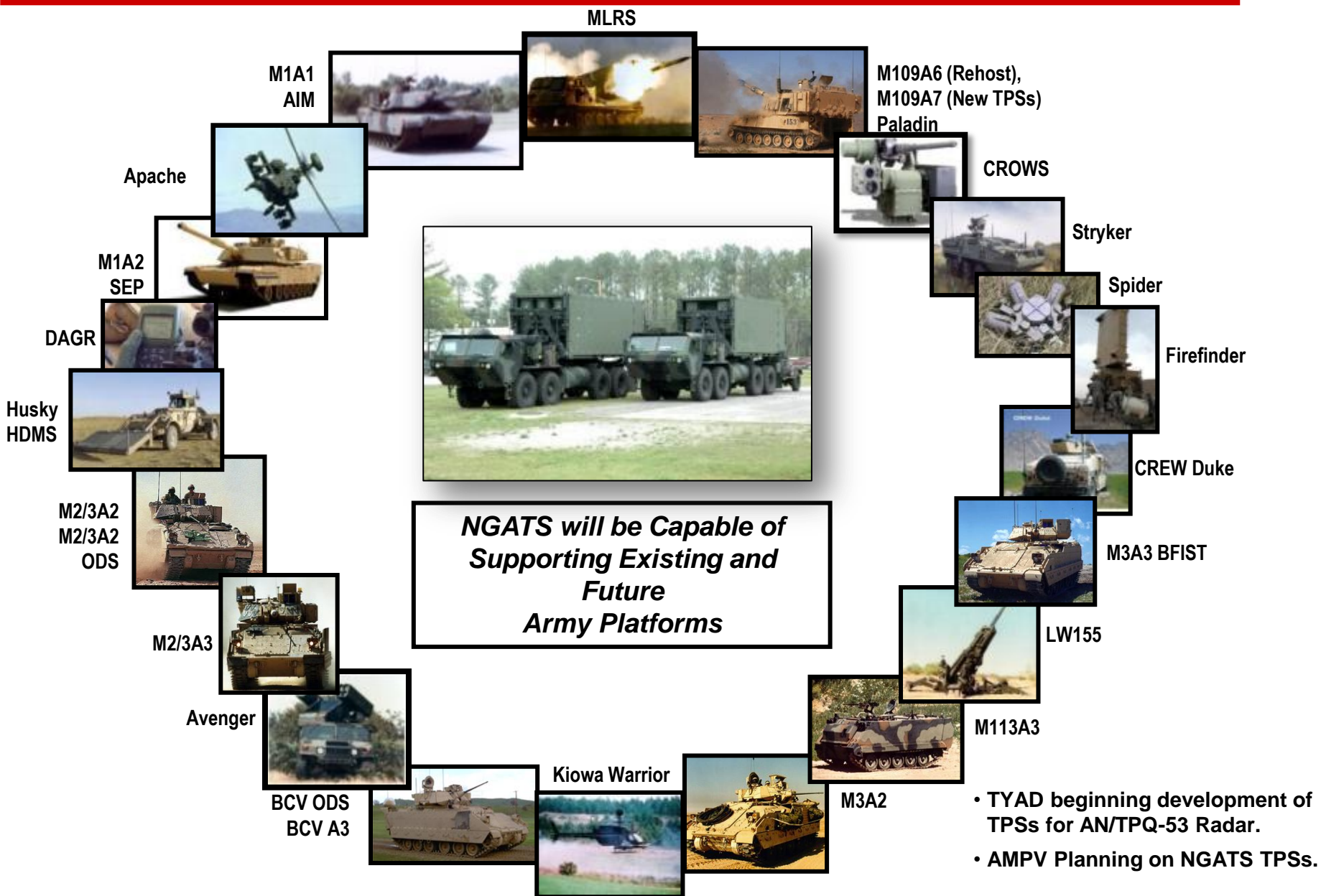
NGATS Fielding:

- NGATS will replace legacy ATE
- Projected AAO is 184 systems

NGATS Status:

- Console contract awarded September 2014
- First Article Test completed September 2015
- NGATS Shelter contract awarded February 26, 2016

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
 - October 2016 (Free Standing)
 - January 2017 (Shelter Configuration)



TMDE Programs – NGATS Shelters

- NGATS Shelter (ATE, TPS Shelters)
 - Contract awarded February 2016 to AAR Manufacturing Inc.
 - Currently Producing 2 Set of Shelters (ATS, TPS)
 - Shelter ATP October 2016, delivery December 2016



TMDE Acquisitions – Misc.

- Various General Purpose Electronic Test Equipment Modernization projects (TEMOD) – anticipated FY17 Contract Awards
 - ME-572()/U Ammeter (2QFY17)
 - OS-305/U Oscilloscope (2QFY17)
 - OS-307/U Oscilloscope (2QFY17)
 - TS-4548/P RF Power Meter (2QFY17)
 - TS-4544/U Telecommunications Test Set (3QFY17)
- Multiple Calibration instruments & standards acquisitions
- Maintenance Support Device & SWICE Production
 - MSD-V4 (Rugged) RFP anticipated release 3QFY17
 - MSD-V4 (Light) RFP anticipated release 4QFY17
 - SWICE production ongoing

Picatinny ATSD Army Acquisitions – ATE Engineering Services IDIQ

- ATE Engineering Services IDIQ – Large Business IDIQ
 - Continuing to release tasks
 - NGATS RF Subsystem
 - Computer Upgrade
 - Acquiring Data
 - Hemispherical Active Expeditionary Detect/Defeat System (HAEDS)
 - F-35
 - Health Management System
- ATE Engineering Services IDIQ – Small Business IDIQ
 - Continuing to release tasks
 - ATSD had the ceiling raised on the current contract
 - Anticipate new contract RFP early CY 17
 - ATSD developing new contract for its Directorate (Fire Control), which includes all 5 Divisions

Picatinny ATSD Army Activity

- Current NGATS TPS rehost/development activity
 - Abrams/Bradley (all variants)
 - STRYKER (all variants)
 - STRYKER MGS
 - CREW DUKE/THOR (V4/V5)
 - FireFinder
 - Paladin PIM
 - CROWS (new variants being developed: Abrams, Paladin, Navy)
 - M777
 - Husky
 - Spider
 - AN/TPQ-53
- Other
 - Army Field level maintenance study in-process
 - Army CBM+/HMS (NxOMS) efforts
 - Electro-Optic Test Subsystem

