Michigan Defense Exposition and APBI

PEO GCS and ACC-DTA

20 April 2023

ACC-DTA
Director Ground Combat Systems
Mr. Jeff Simonis

PEO GCS
PM Self Propelled Howitzer Systems
COL Freeman Bonnette

Self-Propelled Howitzer Systems-PD

Program Description

- The Paladin Integrated Management (PIM) self-propelled howitzer is an indirect fire weapon system with the ability of delivering accurate, precision guided, long range, lethal and non-lethal cannon fires capabilities to support Multi-Domain Operation (MDO) in support of Large Scale Combat Operations (LSCO).
- A PIM set consists of the M109A7 Self-Propelled Howitzer (SPH) and the M992A3 Carrier Ammunition Tracked (CAT).
    - The M109A7/M992A3 provides increased mobility, force protection, survivability, and offers growth potential for future increases in lethality and range.

Current Fleet: M109A6 & M992A2

M109A6 Paladin – 155mm / 39 caliber

M992A2 Field Artillery Ammunition Support Vehicle (FAASV)

In Production: M109A7 & M992A3

M109A7 Self-Propelled Howitzer (SPH)

M992A3 Carrier Ammunition Tracked (CAT)

PM SPHS Opportunities

PdD Paladin

Opportunity	When
Ventilation System	1Q24 – 2Q24
Ventilation System – Grille Cover	1Q24
Interior Blast Mitigation – Floor Mat Retention	1Q24 – 2Q24
Interior Blast Mitigation - Lower Sidewall Ammo Stowage (LSAS)	1Q24 – 2Q24
Interior Blast Mitigation – Oddment Trays	1Q24 – 2Q24
T2 Armor/Undersponson Kit (FAR-Based)	3Q23 – 1Q24

Self- Propelled Howitzer Systems- Extended Range Cannon

Extended Range Cannon Artillery (ERCA) Mission Statement

Extended Range Cannon Artillery (ERCA) is the Army system that extends range, improves lethality, and then increase the rate of fire for self-propelled howitzers.

[1] Based on OSMIS data

PM SPHS Opportunities

PdM Extended Range Cannon Artillery (ERCA)

Opportunity	When
Components for prototypes (OTA)	Ongoing
Prototype Build Validation (OTA)	Ongoing
ERCA GFM Procurement	FY25
ERCA Production Award	FY26

U.S. ARMY

PEO GCS
PL Future Battle Platforms
Mr. Chad Stocker

MPF Overview

- Provides Infantry Brigade Combat Teams (IBCTs) with mobile, protected direct fire capability to apply lethal & sustained long-range fires to armored vehicles, hardened enemy fortifications and dismounted personnel.
- Materiel solution of integrated mature technology, components and sub-systems
- Acquisition:
  - Jun 22: Milestone C / Low-Rate Initial Production (LRIP) Contract Award to GDLS
  - 1QFY23: LRIP 1 Production Started
- Current Initiatives:
  - 3QFY23: LRIP 2 Award
  - 1QFY24: LRIP 1 Deliveries
  - FY25: IOTE and FUE

MPF System Overview

General
•Weight: approx 42T
•Significant Commonality w/ Abrams
•Two on a C-17
•Day/Night drivers vision enhancing system
•Lithium Ion 6T Batteries

Mobility
•Max Speed: 40mph
•Engine: MTU 800 hp diesel
•Transmission: Allison
• Suspension: Hydro-pneumatic Suspension Units
• Track: EFV Lightweight T-161 Track

Lethality
• 105mm
• 7.62mm Coax
• 0.50 M2 Commanders Weapon
•Abrams SEPv3 Fire Control System
• Commanders Independent Tactical Viewer (day/thermal vision & laser ranging and pointing)

Survivability
• Direct Fire; Overhead
• Underbody; Side

Short Term Opportunities

Opportunity	Period of Performance
Training Aids, Devices, Simulators, and Simulations (TADSS)*	FY23 - FY28
Spares for Initial Fielding	1QFY24 – 1QFY29
System Technical Support	3QFY24 – 3QFY29

TADSS*

- Pre-production efforts in FY23
- Initial production of TADSS anticipated from FY24-FY28.
- These efforts will flow across the four TADSS Lines of Effort:
  - Family of Maintenance Trainers
  - Gunnery Training Systems
  - Vehicle Tactical Engagement Simulation System
  - Crew Module Unit Recorder

RCV Current Activities and Upcoming Opportunities

Robotic Combat Vehicle (RCV) Recent and Upcoming Activities:

- RCV Light (RCV(L)) Middle Tier Acquisition Rapid Prototyping (MTA-RP) program approved February 2022
- RCV Software Acquisition Pathway (SWP) Execution Phase approved January 2023
- RCV(L) MTA-RP program will continue experimentation with current Surrogate Prototype systems and compete new prototypes

RCV Prototype Competition: Develop, deliver, and test a RCV Common Chassis prototype in the Base RCV Configuration with a goal to transition to rapid fielding in FY27

- **Phase I Platform Prototypes:** 4QFY23 – 1QFY25; planned award under Ground Vehicle Systems OTA
  - Award up to four (4) prototype task assignments as a result of the proposal evaluations from the Request for Prototype Proposals
  - Scope of work includes a Preliminary Design Review and delivery of two (2) RCV Platform Prototypes for evaluation
  - Platform Prototypes testing primarily focused on mobility and teleoperation
- **Phase II Full System Prototypes**: 1QFY25 – 2QFY27; planned award under Detroit Arsenal Innovation OTA
  - Award up to one (1) prototype task assignment as a result of the Phase I test analysis and Phase II proposal evaluation
  - Scope of work includes a Critical Design Review and delivery of 9 FSPs for developmental testing and a Limited User Test / Soldier Touch Point
- **RCV SWP:** partnering with the Defense Innovation Unit for software capabilities

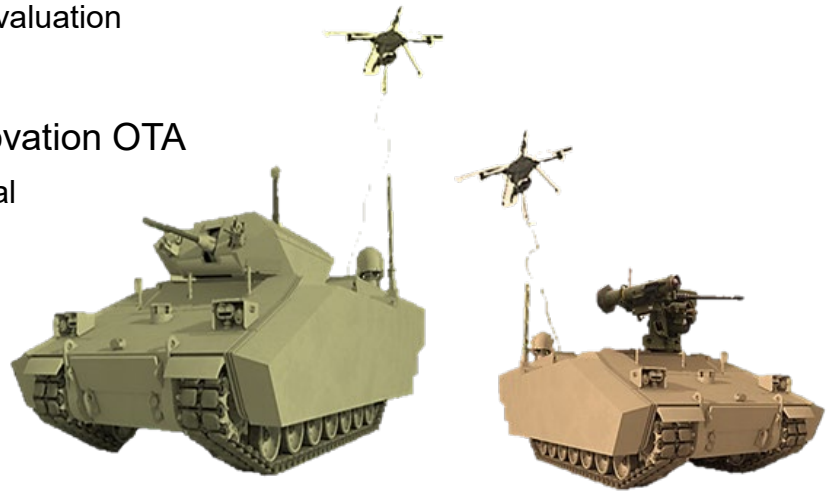
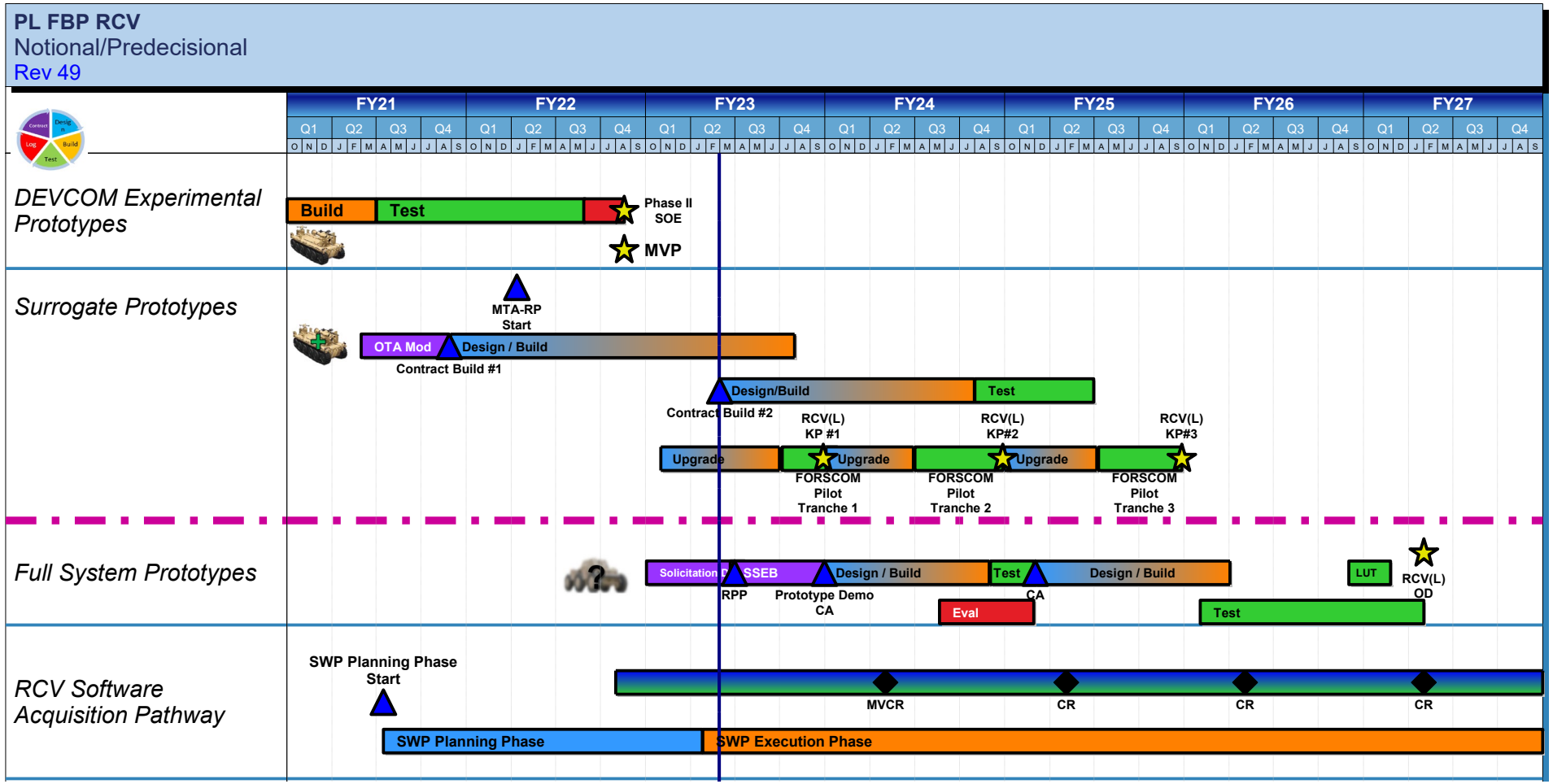


IMAGE DISCLAIMER: GOVERNMENT CONCEPT (ILLUSTRATIVE ONLY, NOT PRODUCTION REPRESENTATIVE)

PdM RCV Program Concept

RCV Acquisition Strategy



PEO GCS
PL Capability Transition & Product-Integration
Mr. Bob McNeill

PL CTPI Overview

Project Lead Capability Transition & Product Integration Office (PL CTPI) provides strategic planning and PEO GCS platform synchronization by informing, maturing, and integrating Army-wide product technologies and S&T investments to address technology needs, transition advanced technology, and deliver new capability across the GCS portfolio.

PL CTPI has 3 product offices:

- PdL Ground Combat Enabling Technologies & Transition (GCETT)
- PdL Ground Combat Product Integration (GCPI)
- Product Manager (PdM) Vehicle Protection Systems (VPS)

Current Initiatives

PdL Ground Combat Product Integration (GCPI):

- Universal 360 Situational Awareness (U360SA) Technology Maturation Initiative (TMI)
- Mounted Capability Sets (M-CS) 23&25
- Standardized A-Kit Vehicle Envelope Interface Description Document (SAVE IDD)
    - AAE signed agreement between PEOs that when a vehicles built, space claim for radios, computers, etc. are a certain size & shape; vendors need to make product fit within that size & shape and to have the right attachment points.

PdL Ground Combat Enabling Technologies & Transition (GCETT):

- Focused on maturing Science and Technology (S&T) capabilities for Platform integration. Top priorities including Autonomy/Artificial Intelligence, Ground Common Infrastructure Architecture (GCIA), Targeting/Lethality, Vehicle Protection and Hybridization

Current Initiatives Continued

PdM Vehicle Protection Systems (VPS): Current Programs of Record

- Vehicle Base Kit (VBK) with Laser Warning Receiver (LWR)
- Reactive Armor Tiles (RAT)
- SIGMAN (Signature Management)

PdM Vehicle Protection Systems (VPS): Ongoing Analysis(Program decisions TBD)

- Hard Kill /Soft Kill
- Threat Detection

Future Requirements

PdL Ground Combat Product Integration (GCPI):

- Vehicle Excursion #4 (VE-4)
  - Mounted Capability Set 25 System-of-Systems integration risk-reduction event focused on Armored Brigade Combat Team (ABCT) tracked platforms.
- GCS Common Infrastructure Architecture (GCIA)
  - PEO GCS vehicle architecture framework for Modular Open System Architecture (MOSA) development
  - PL CTPI is the owner of the GCIA
  - PM MCS released GCIA version 2.1 in their RFP
- CMOSS Mounted Form Factor (CMFF)

PdL Ground Combat Enabling Technologies & Transition (GCETT):

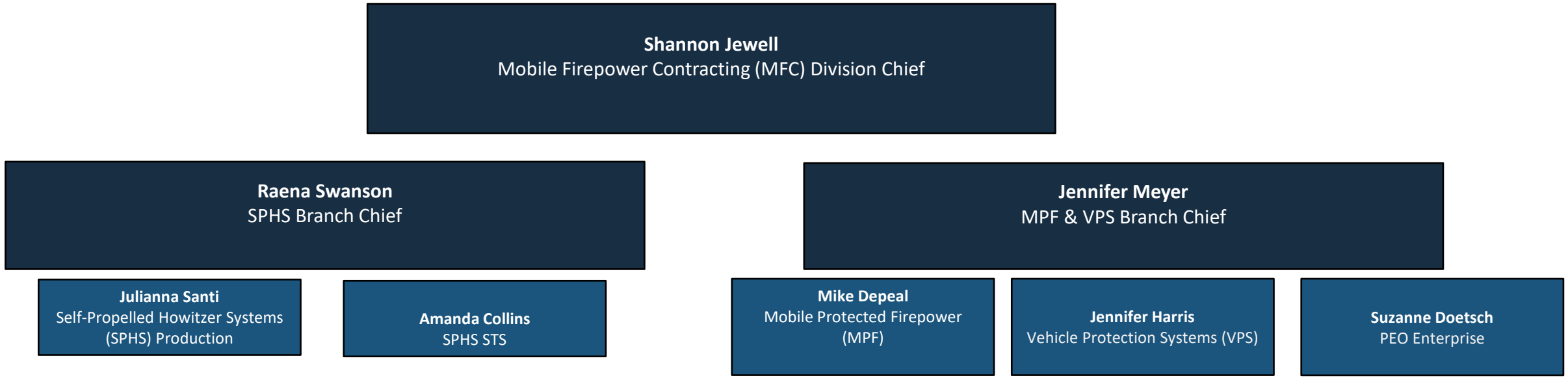
- Small Business Innovation Research (SBIR)
  - Autonomy TBT (Transition Broker Teams)
- Technology Maturation Initiative (TMI)
  - Soft Kill for sensor enhancement

PdM Vehicle Protection Systems (VPS):

- Unmanned Aerial System (UAS) protection
- AI: Intelligent Ground System Survivability

ACC-DTA
Mobile Firepower Contracting Division
Mrs. Shannon Jewell

Mobile Firepower Contraction Division



Mobile Firepower – Contracting Actions

Remaining for Fiscal Year 2023 – 43 Actions/ $987,595,522

Awarded Fiscal Year 2023 – 53 Actions/ $195,866,906

*** As of 31 Mar 2023**

Description of Effort	C/N*	RFP Release	Estimated TAD	Proposed Contract Length	Estimated Quantity	Hardware, Services or Both	Pre-solicitation Engagement Planned
T2 Armor for Self-Propelled Howitzer Systems (SPHS)	C	Apr 2023	2QFY24	60 months	1,230 Armor Kits	Hardware	No
SPHS STS/SSTS Follow-on	N	Mar 2023	2QFY24	60 months	1,538,940 hours	Services	No
SPHS M109 FY24-28 Production Follow-on	N	TBD	2QFY25	60 months	374 vehicles + TPF	Hardware	No
Mobile Protected Firepower (MPF) System Technical Support (STS) Follow-on	N	4QFY23	2QFY24	5 years	Varies	Services	Yes
MPF Initial Fielding Spares	N	3QFY23	2QFY24	5 years	Varies	Hardware	Yes
MPF Low-Rate Initial Production (LRIP) Option 2 Award	N	N/A	4QFY23	N/A	28 vehicles	Hardware	N/A

*Competitive/ Noncompetitive

Mobile Firepower – Contracting Actions

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Description of Effort	C/N*	RFP Release	Estimated TAD	Proposed Contract Length	Estimated Quantity	Hardware, Services or Both	Pre-solicitation Engagement Planned
VPS Reactive Armor Tiles (RAT)	C	Sep 2022	3QFY23	3 years	405 sets	Hardware	Synopsis posted to SAM.gov
Vehicle Protection Systems (VPS) Laser Warning Receiver (LWR)	N Danbury Mission Technologies	Oct 2022	4QFY23	5 years	510 each	Both	No
VPS Vehicle Base Kit (VBK)	N Lockheed Martin	Dec 2022	4QFY23	5 years	510 each	Both	No
PEO GCS Multi-Platform Integrated Logistics Support (MPILS)	C	1QFY24	4QFY24	3-5 years	TBD hours	Services	Yes – TBD

*Competitive/ Noncompetitive

PEO GCS
PM Main Battle Tank Systems
Marlin Carlsen

MBTS Current Initiatives

- Abrams: M1A2 SEPv2 Field Modifications
- Abrams: M1A2 SEPv3 Production and Fielding
- Abrams: M1A2 SEPv4 Modernization Development
- CRS: M88A3 prototype Other Transaction Agreement (OTA)
- CRS: M88A2 New STS Contract (Effective OCT 2022)
- CRS: M88A2 Engine Reliability Improvement OTA and Vehicle Integration STS WD
- FMS: Kuwait Case production of 218 M1A2K tanks, 19 M88A2s, and Total Package Fielding
- FMS: Development of Romania FMS case for production of 54 M1A2R and 4 M88A2
- FMS: Poland Case production of 116 M1A1, 250 M1A2 SEPv3, 26 M88A2
- FMS: Taiwan Case production of 108 M1A2T tanks, 8 M88A2s, HETs, and Total Support Package for an Armor BDE & Training Base
- FMS: Australia Case production of 75 M1A2 SEPv3, 6 M88A2

CONTINUOUSLY IMPROVE COMPONENT RELIABILITY, SURVIVABILITY, SUSTAINABILITY, AND SUPPORTABILITY

Short-Term Opportunities

Opportunity	Period of Performance
Abrams: Trophy A-kit and ITM improvement	Q2FY22-FY26
CRS: M88A2 Extension to STS Contract	4QFY20-FY22
FMS: Eastern European opportunities likely	FY23-Beyond

Long- Term Opportunities

Opportunity	Period of Performance
Abrams: Fielding Agile Supplies, Support, and Training (FASST)	Q2FY23-FY27
CRS: Award M88A2 Production Contract (Qty 21)	FY23-FY25
CRS: M88 New STS Contract (Awarded)	1QFY23-FY28
CRS: Engine EFI Engine Conversion Production Contract	FY25 Start
CRS: Vehicle EFI Integration MWO Implementation Contract	FY26 Start
FMS: Conversion of Soviet based armies to western based armored vehicles to strengthen relationships and enhance survivability	FY24-Beyond

Industry Points of Contact

Company	Name	Email
BAE (Supplier Diversity)	Barbara Knox	Barabrara.knox@baesystems.com
BAE (Production)	Jennifer Ickes	Jennifer.ickes@baesystems.com
GD (Suppliers)	Mike Patton	pattonm@gdls.com
GD (Programmatics)	Mark Stegbauer	stegbaue@gdls.com
Allison	Ken Adgie	ken.adgie@allisontransmission.com
Honeywell	Gerhard Schroter	Gerhard.Schroter@Honeywell.com

ACC-DTA
Combat Division
Ms. Lisa Behnke

Combat Division

Lisa Behnke
Combat Systems Division Chief

Lisa Jones
Abrams Branch Chief
CCTA-AHP

Alexandria "Ali" Feger
FMS/CRS Branch Chief

John Finn III
Abrams Development

Laura Stoyanovich
Abrams Operations and Kits

Roxanna Genova-Lasecki
Abrams Production

Jamie Waszak
CRS and Test Support

Lisa Koski
SNAP Team

Carrie Cunningham
FMS Combat Production and Support

Antonio Smith
Non-Standard Vehicles

Combat Systems – Contract Actions

Remaining for Fiscal Year 2023 – 82 Actions/ $616,254,335

Awarded Fiscal Year 2023 – 235 Actions/ $1,429,102,993

* As of 31 Mar 2023

Description of Effort	C/N*	RFP Release	Estimated TAD	Proposed Contract Length	Estimated Quantity	Hardware, Services or Both	Pre-solicitation Engagement Planned
Eitan Power Pack – FMS funds	N	10/11/2022	7/1/2023	8 years	85 w/ Opt. 208	Hardware	N/A
Croatia Bradley Refurb	N	12/1/2022	09/15/2023	3 years	62 vehicles w/ Opt. 5	Both	N/A
Abrams Transmissions Production & Systems Technical Support (STS)	N	15 ARP 22	4QFY23	5 Years	Various	Both	N/A
DSESTS STS Follow-on Contract	N	5/5/2023	10/27/2023	5 years	N/A	Services	N/A
Production of System Enhancement Package Version 3 (SEPv3) Abrams Tanks Delivery Order	N	N/A	1QFY24	N/A	TBD	Hardware	N/A
M88A2 Production	N	3QFY23	1QFY24	3 years	108 vehicles	Hardware	N/A
M88A3 Production	N	3QFY24	2QFY25	3 years	54 vehicles	Hardware	N/A

*Competitive/ Noncompetitive

PEO GCS
PM Stryker
Mr. Clifton Boyd

Stryker Program Description


Infantry Carrier Vehicle
(ICV/ICVV/ICVVA1)


Commander's Vehicle
(CV/CVV/CVVA1)


Fire Support Vehicle
(FSV/FSVV/FSVVA1)


Anti Tank Guided Missile
(ATGM/ATVV/ATVVA1)


120mm Mounted Mortar Carrier
(MCV/MCVV/MCVVA1)


NBC Reconnaissance Vehicle
(NBCRV)
Flat Bottom Variants Only


Medical Evacuation Vehicle
(MEV/MEVV/MEVVA1)


Engineer Squad Vehicle
(ESV/ESVV/ESVVA1)


Reconnaissance Vehicle (RV)
Flat Bottom Variants Only


Stryker ICVD
Flat Bottom Variants Only


ICVVA1-30MM
(Program of Record)

Program Description: The National Military Strategy requires an Army that is rapidly deployable and strategically responsive across the full spectrum of operations. The Stryker enables the Army to respond immediately to urgent operational requirements. The Stryker is a Family of Vehicles and the primary combat and combat support platform of the Stryker Brigade Combat Team (SBCT). Stryker provides an immediate requirement for a strategically deployable (C-17/C-5) force capable of rapid protected movement.

Capabilities: Key Performance Parameters (KPPs) include NET ready, Force Protection, Survivability, Variant Unique requirements: ICV / ECV ability to carry a nine man squad. A Double V-Hull has been integrated providing increased underbelly protection. DVHA1 upgrades with Engineering Change Proposals focused on Mobility, Power and Lethality.

FY23 Top Program Activities:

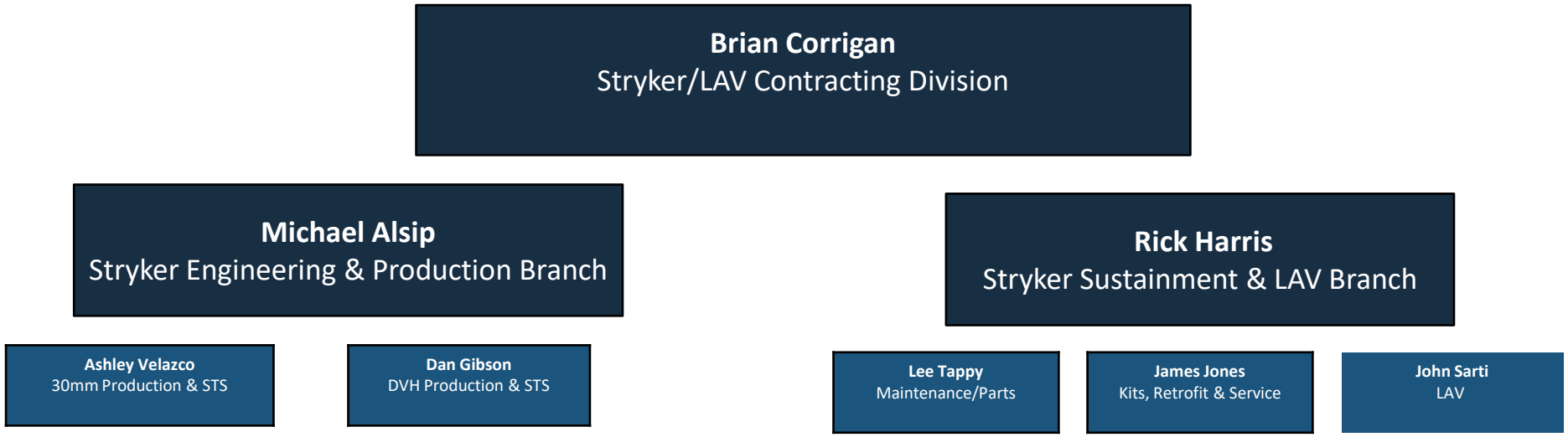
- **People**
- **Readiness**
  - Sustainment of Current Fleet
  - Support of External Army Stakeholders
- **Modernization**
  - DVHA1 Program Execution
  - DVHA1 Capability Upgrades
  - CROWS-Javelin ECP Fielding
  - Anti-Tank Guided Missile Vehicle ECP
  - ICVVA1 30mm
  - Future Stryker Modernization Planning
  - 360 Situational Awareness – RFP
  - Non-Primary Power

Stryker Future Opportunities

Stryker Demands (FY Demand Begins	QTY	Govt OPR (Office of Primary Responsibility)	Industry Lead
360 Situational Awareness (SA) B-kit Sensors (FY23)	12	PM Stryker	Competition
Terrestrial Layer System Strykers (FY23)	42	PM EW&C (PdM TSW) (Electronic Warfare & Cyber, Terrestrial Spectrum Warfare)	Lockheed Martin
DE-MSHORAD (FY24)	30	RCCTO (Rapid Capabilities and Critical Technologies Office)	GDLS
NBCRV SSU (FY24-27) (Nuclear Biological Chemical Reconnaissance Vehicle)	30	PM Stryker / JPM NBC (Joint Project Manager, Nuclear Biological, Chemical)	TBD
Stryker BCT Fire Direction Centers (FY25)	33	PM Stryker	TBD
CPI2 Mission Command Platforms (FY25)	172	PM Stryker / PM CPI2	TBD
Network Modernization Efforts (FY25)	TBD	PM Stryker / PEO C3T / Network CFT (C3T-Command, Control, Communications, and Tactical) (CFT–Cross Functional Team)	GDLS
Support of Foreign Military Sales (FMS) for the Flat Bottom Hull (FBH)	TBD	PM Stryker	GDLS / ANAD

ACC-DTA
Stryker Division
Mr. Brian Corrigan

Stryker/LAV Division



Stryker/ LAV – Contracting Actions

Remaining for Fiscal Year 2023 – 74 Actions/ $539,097,205

Awarded Fiscal Year 2023 – 198 Actions/ $462,191,609

* As of 31 Mar 2023

Description of Effort	C/N*	RFP Release	Estimated TAD	Proposed Contract Length	Estimated Quantity	Hardware, Services, or Both	Pre-solicitation Engagement Planned
Fire Support Vehicle (FSV) Mission Equipment Package (MEP) STS & STSS Follow - On	N	5/19/2022	12/15/2023	5 years	N/A	Services	TBD
Systems Technical Support (STS) Follow – On	N	4/17/2023	1/31/2024	5 years	N/A	Services	N/A
Wholesale Supply Follow - On	N	4/17/2023	2/28/2024	5 years	TBD	Services	N/A
Retrofit Follow - On	N	4/17/2023	2/28/2024	5 years	N/A	Services	N/A
360 Situational Awareness	C	3QFY23	3QFY24	5 Years	1,200 each	Both	On going
Armored Reconnaissance Vehicles (ARV)	C	2Q FY24	2Q FY25	5 Years	N/A	Hardware	1Q FY24

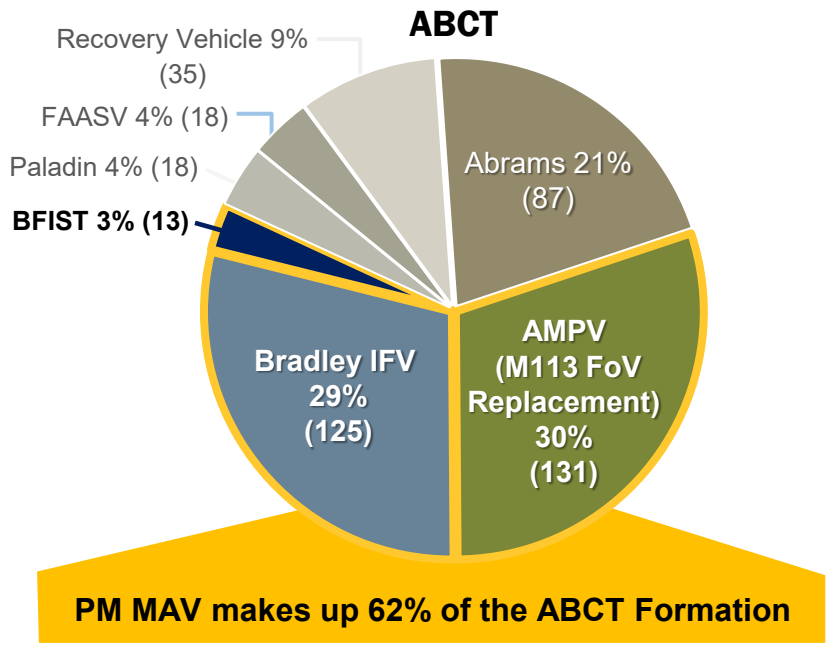
*Competitive/ Noncompetitive

U.S. ARMY

PEO GCS
PM Mounted Armored Vehicle
Mr. Brian McVeigh

PM MAV – Portfolio ABCT Perspective

Restore mobility, support, protection, indirect fires, and comms to the ABCT Formation



- PM MAV makes up 62% of the ABCT Formation
  - Bradley ~ 32%
    - AAO: 3,331 (A3, ODS-SA, ODS, BFIST)
    - AAO: 731 (A4)
  - AMPV ~ 30%
    - AAO 2,897 (Five Variants)

AMPV and Bradley – 60% commonality

M2A4 Infantry Fighting Vehicle

A3 BFIST w/FS3

M270A2 MLRS

**Based on K-series MTOE*

General Purpose (GP): M1283

Mission Command (CD): M1286

Mortar Carrier (MC): M1287

Medical Evacuation (ME): M1284

Medical Treatment (MT): M1285

PM MAV – Bradley Program Overview

Current Armored Brigade Combat Team (ABCT) platforms were exceeding Space, Weight, Power and Cooling (SWaP-C) limitations even as the Army continued to demand increased system capability. Bradley Engineering Change Proposals (ECPs) were initiated to restore lost platform capability by increasing survivability and providing increased power.

Current Fleet

Track and Suspension ECP

- Extended Life Track
- Heavy Weight Torsion Bars
- Dampers and Road Arms

Assured Positioning, Navigation, and Timing (PNT)

Joint Battle Command Platform (JBCP) Upgrade

Survivability

Active Protection Systems: Iron Fist – Light Decoupled

Underbelly Interim Solution (UBIS)

A4 ECP (Mobility)

Power Train

- 675 HP Power Pack Upgrade*
- 800 HP Transmission Efficiencies*
- Cooling System Modification
- Upgraded Final Drives*

Electrical System (28 Vdc)

- Electrical Power Upgrade (from 400 amps to 990 amps)
- High Speed Slip Ring Upgrade
- 1 G Ethernet Switch
- Vehicle Health Management System (VHMS), Phase I
- Battery Monitoring*

Accelerated Technologies

- Automatic Fire Extinguishing System (AFES) Optimization – ***Phase One***
- Driver's DVE Wide Field of View (FOV)

Enabled Capabilities

- Counter RCIED (Remote Control Improvised Explosive Device) Electronic Warfare (CREW) v3

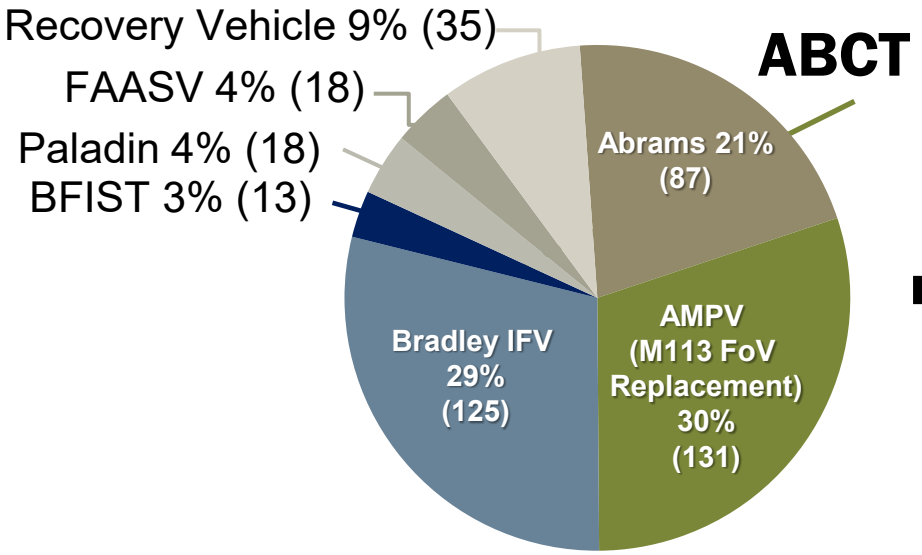
Situational Awareness / Mission Command

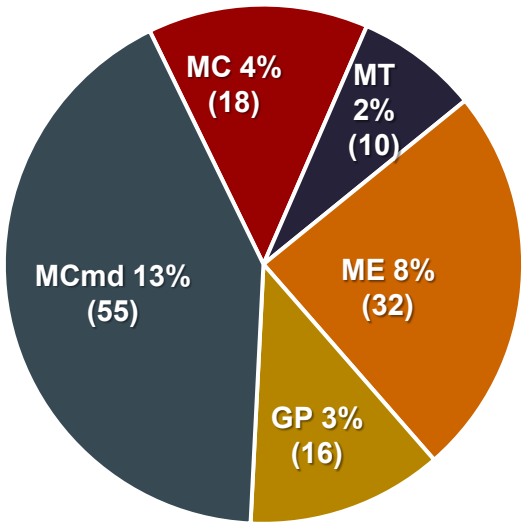
- Improved FBCB2 Integration
  - KGV-72 (Programmable Encryption Device)
  - Blue Force Tracker (BFT) 2
  - Mounted Family of Computing Systems (MFoCS)
  - Joint Battle Command - Platform (JBC-P)
- Common Intelligent Display
- Nett Warrior
- New Central Processor Unit

*Common with other platforms

PM MAV – AMPV Program Overview

The Armored Multi-Purpose Vehicle (AMPV) will replace the Armored Brigade Combat Team's (ABCT's) M113 Family of Vehicles (FoVs). The AMPV addresses the M113's shortcomings in and ability and force protection; size, weight, power, and cooling (SWAP-C); and ability to incorporate future technologies and the Army's Network. The AMPV will provide Commanders with viable capabilities to maneuver across the full breadth of the ABCT battlefield.





The M113 FoV accounts for ~30% of the ABCT's tracked fleet

Replacing the M113 FoV, given its scope and scale in the ABCT, is a significant investment decision for the Army

Army Acquisition Objective: 2,897

***Based on K-series MTOE** (EAB not included)*

General Purpose (GP): M1283

Mission Command (CD): M1286

Mortar Carrier (MC): M1287

Medical Evacuation (ME): M1284

Medical Treatment (MT): M1285

PM MAV – Modernization

Responsible for vehicle modernization efforts aimed at integrating mature technologies and developing capability enhancements to the Bradley & AMPV family of vehicles.

Crew Enablers / User Interface

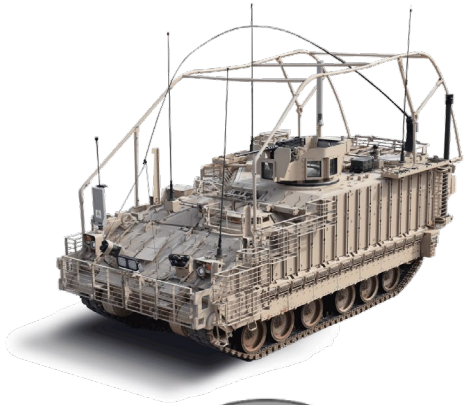
- Battery Monitoring
- AUX Power/APU
- ECS
- Hand holds
- Embedded Training
- S/W Graphical User Interface Optimization

Electrification

- Electrical Power Upgrade (increase Amperage ~1K amps)
- 600 Volt Architecture backbone / VETRONICS upgrade
- 1 G Ethernet Switch
- Vehicle Health Management System (VHMS), Phase I
- Battery Monitoring
- CD External power/APU

Survivability / Force Protection

- Commander Weapon Station Redesign
- MAPS with Laser Warning Receiver
- Reactive Armor Tile Upgrade
- CARC-Z Vehicle Paint Upgrade
- Remote Weapon Station



Situational Awareness / Network Enhancements

- Integrated Visual Augmentation System (IVAS) for Bradley
- 360 Situational Awareness
- Out-of-Hatch Common Operating Picture (COP)
- C2 Intercom Migration
- Cross-Domain Solution
- Improved FBCB2 Integration
  - Mounted Family of Computer Systems (MFoCS)
  - Joint Battle Command - Platform (JBC-P)
- Wireless TAC/TOC

Mobility / Power Train

- RAM & PSPEC Variances
- Track / Suspension
- Power Pack enhancement (M2A4 dual generator)

Variant Evolution

- Turreted Mortar
- Terrestrial Layer System (TLS) for AMPV
- CBRN Modular Mission Payload for AMPV
- Common Platform for AMPV
- Modular Seating & Stowage

Rapid Capabilities and Critical Technologies Office

- Hybrid Electric Drive
- Wireless Communications

AMPV
Both AMPV & Bradley
Bradley Surrogate

U.S. ARMY

PEO GCS
PM Maneuver Combat Vehicles
COL Jeff Jurand

Current Initiatives

Optionally Manned Fighting Vehicle (OMFV):

- The Army will execute the five specific phases with the associated planned program timeline
  - Phase 1: Utilize market research, tech evaluations, and characteristics of need to develop Request for Proposal
  - Phase 2: Awarded contract to 5 vendors for Concept Designs (JUL 21-Dec 22)
  - Phase 3: Award contract to up to 3 vendors for Detailed Designs (RFP JULY 2022)
  - Phase 4: Build and test prototypes. Down select to 1 vendor at Milestone C
  - Phase 5: Conduct Low Rate Initial Production (LRIP) leading to First Unit Equipped (FUE) and a Full Rate Production (FRP) decision

Short-Term Opportunities

OMFV:

- Pursuing Embedded Software Pathway designation from ASAALT in FY23
  - Potential focus areas include:
    - Advanced Survivability / Lethality
    - PPMx
    - 2-man crew aides
- Earliest contracts in 3QFY24

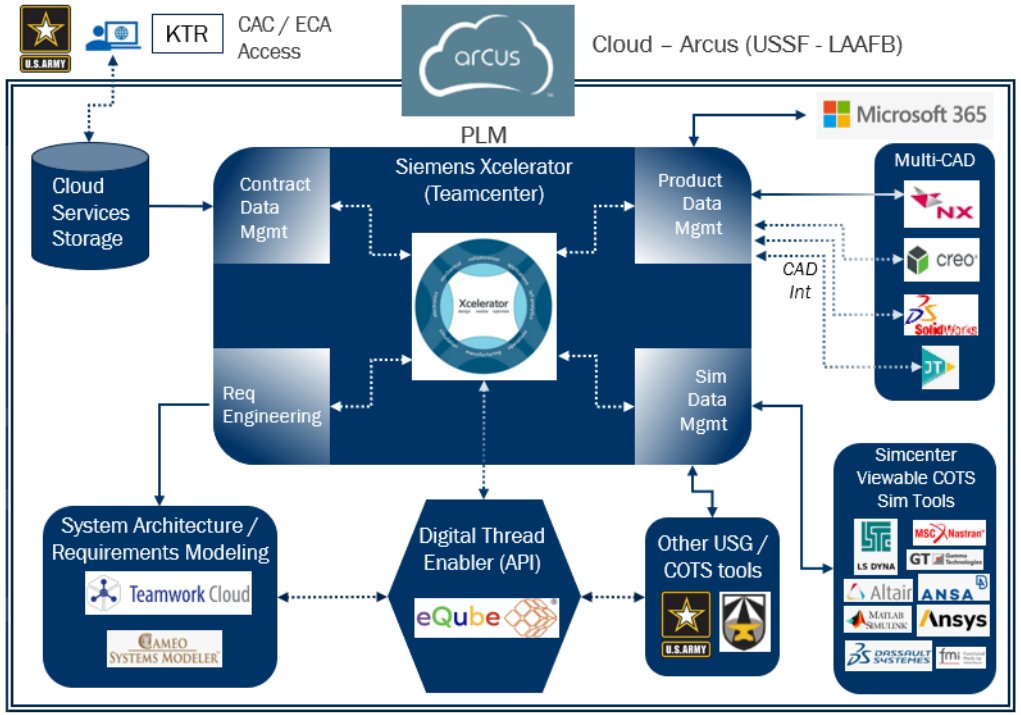
Digital Engineering Overview

Digital Acquisition Program:

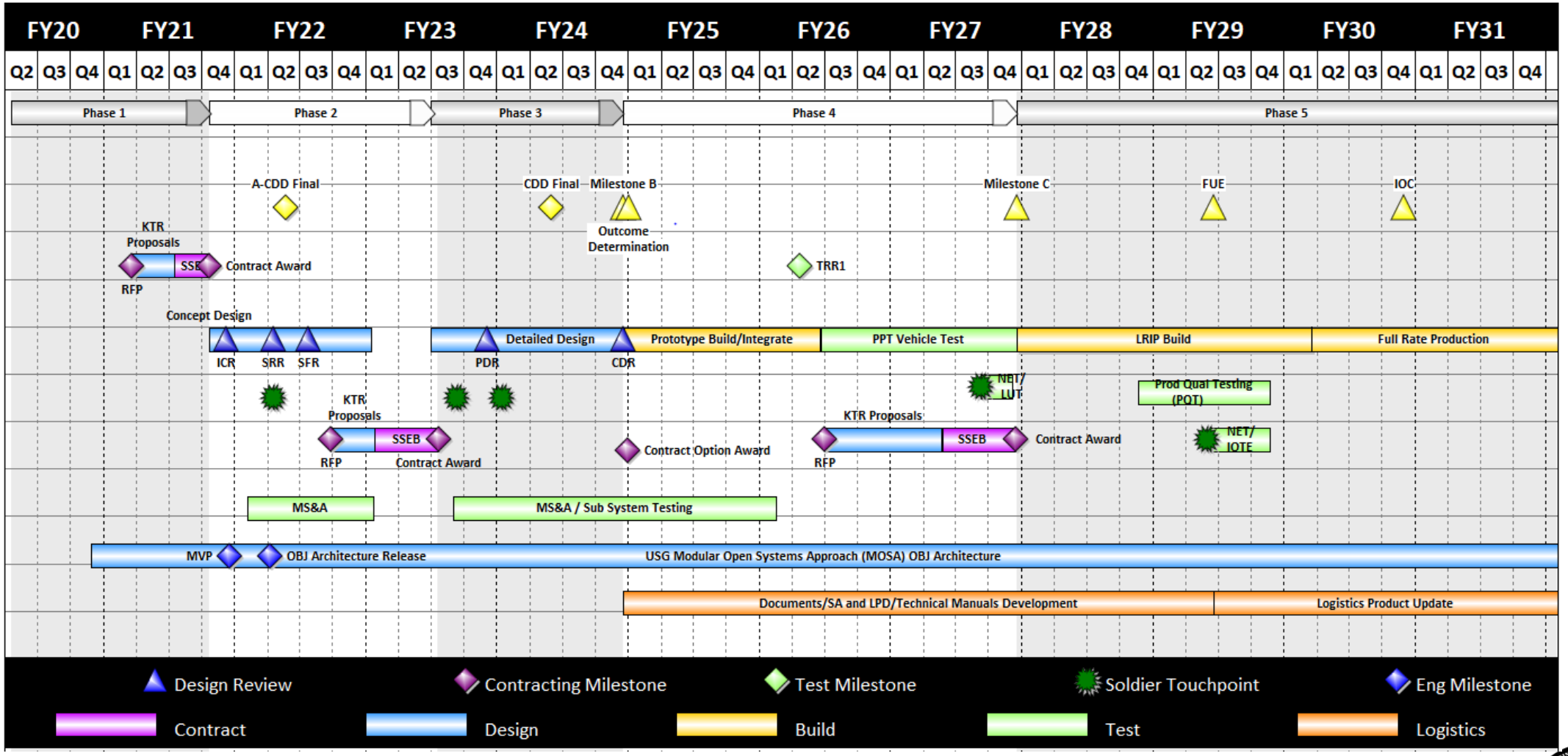
- An extension of digital engineering which uses the technical authoritative source of truth as the basis to inform and **synchronize** the full scope of acquisition activities, decisions, and processes.
- To **accelerate the fielding of capabilities** through the **synchronization** of design and institutional processes to ensure OMFV upgrades at the speed of technology and **becomes a strategic deterrence** due to its unpredictability.

Modeling & Simulation:

- **Reduce/Replace physical test:** Phases 3 and 4 (competitive prototyping) will inform how much is possible in Phase 5 (LRIP and FRP)
- **System Maturity/Risk:** Many of the tools will be included earlier than necessary for the evaluation process. They will aid in PM understanding of design maturity and contractor feedback.
- **Accelerated Fielding:** If risk is properly analyzed and physical testing is reduced, fielding can be accelerated as a byproduct
- **Evaluation:** MS&A tools support independent system evaluation. Nearly all of the tools proposed add information to the evaluation not otherwise available. Tools must go through VV&A process

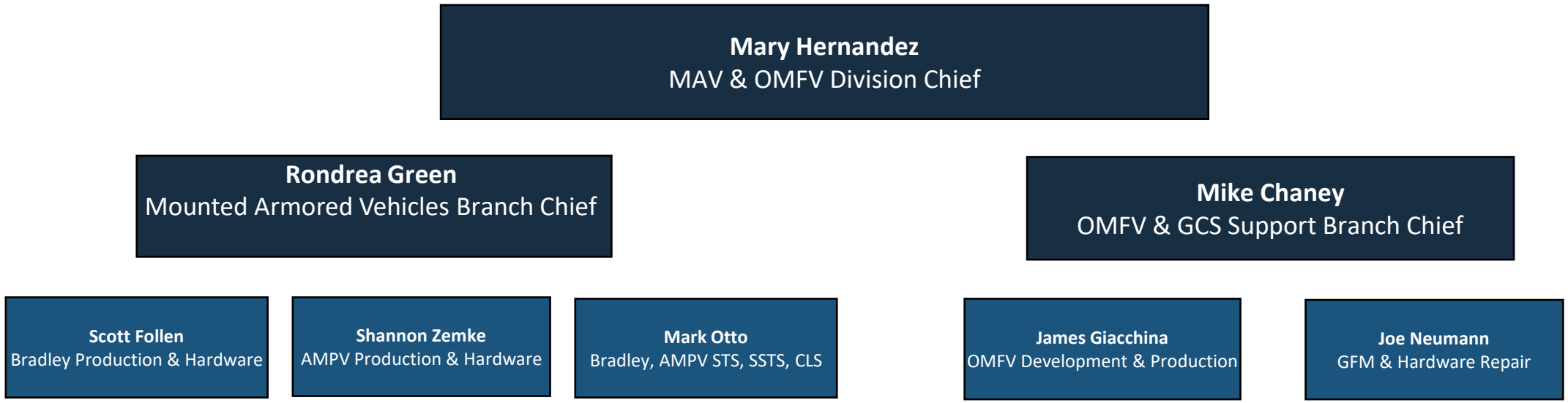


OMFV Program Schedule



ACC-DTA
MAV & OMFV
Mrs. Mary Hernandez

Mounted Armored Vehicles & OMFV Division



MAV & OMFV – Contracting Actions

Remaining for Fiscal Year 2023 – 43 Actions/ $807,537,506

Awarded Fiscal Year 2023 – 121 Actions/ $387,194,409

* As of 13MAR2023

Description of Effort	C/N*	RFP Release	Estimated TAD	Proposed Contract Length	Estimated Quantity	Hardware, Services or Both	Pre-solicitation Engagement Planned	PCO
OMFV – Digital Design	C	4QFY22	3QFY23	54 months	7 Base / 4 Option Prototypes per Contractor	Hardware	No	James Giacchina
Bradley A4 Production Follow-On	N	1QFY21	3QFY23	24 months	106 Vehicles	Hardware	No	Scott Follen
AMPV Production Years 1-2 / Years 3-5	N	3QFY21	2QFY23 / 2QFY25	24 months / 36 months	Up to 985 Vehicles	Hardware	No	Shannon Zemke

*Competitive/ Noncompetitive

Meeting Request Information

To request a meeting with the ACC-DTA ➡

✓ Contact Ms. Deanne Mazzola

ACCDTAIndustry@army.mil