

SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

SOF Warrior



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Program Manager

Family of Special Operations Vehicles

SOFIC - 2013

UNCLASSIFIED



Mission Statement



Develop, procure and sustain affordable wheeled mobility capabilities for specific missions when Service solutions do not meet SOF requirements

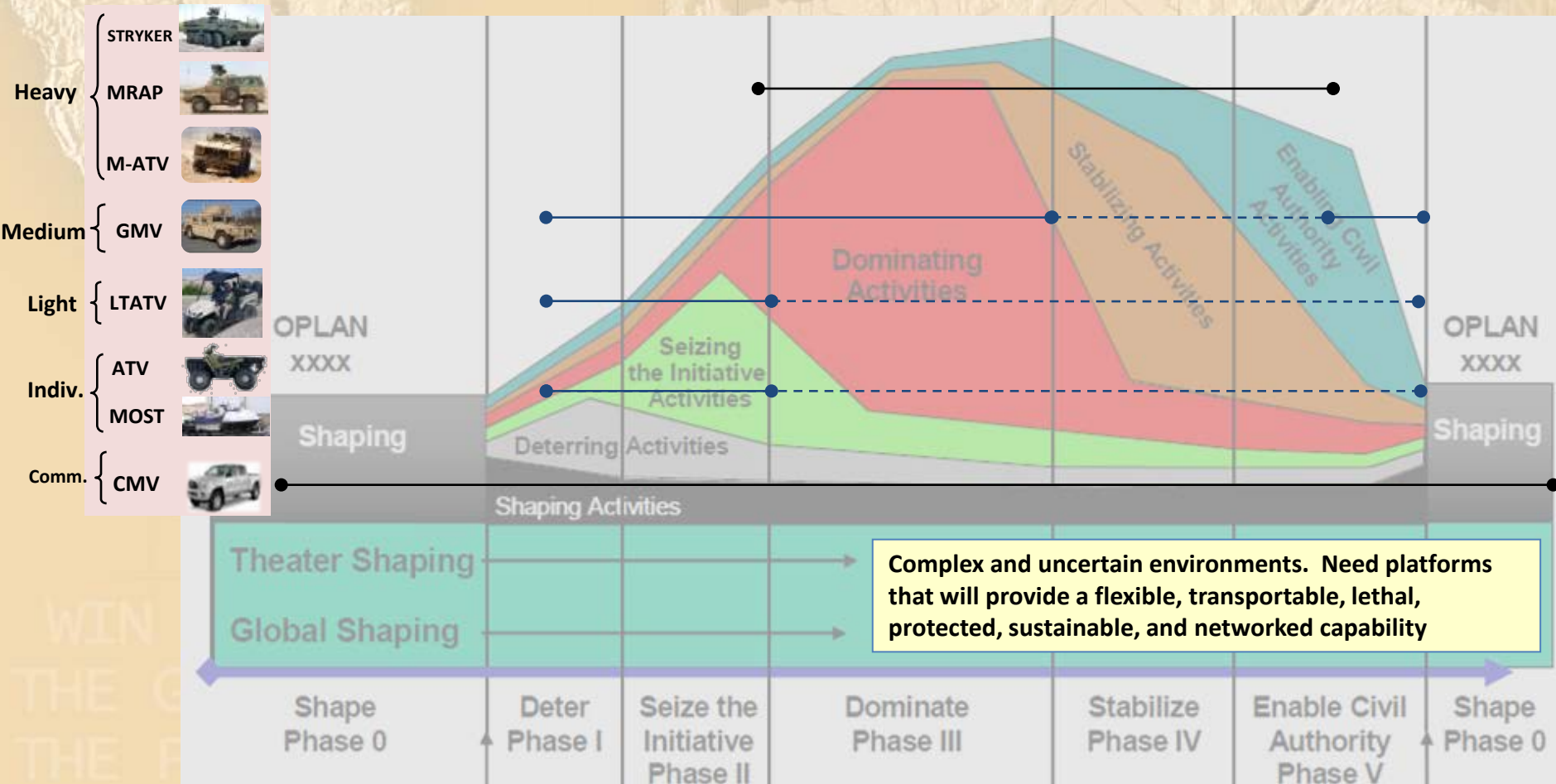


3,000 SOF Modified and SOF Specific vehicles



Scope of the Tactical Mobility Requirement

- Primary Platform
- Supporting Platform





Fielded Platforms



- 593 modified-COTS All-Terrain Vehicles
- 651 modified-COTS Light Tactical All Terrain Vehicles
- 380 Non-Standard Commercial Vehicles
- 1,072 SOF Ground Mobility Vehicles (HMMWV-based)



ATV Requirements



<u>Attribute</u>	<u>Threshold</u>	<u>Objective</u>
• Range	75 miles at GVWR	100 miles at GVWR
• Controls	Motorcycle Handlebar	T=O
• Acceleration	0-30 mph in 7 sec GVWR	0-45 mph in 7 sec GVWR
• Transportability	Internal (CV-22 & MH-47)	T=O
– Air Dropable		
• Mobility	4x4 Drive System	
• Environment	All Geography	
– 10K feet altitude & -25 to +130 degrees Temp Range		
• Performance	At GVW Hard Surface	
– Maintain 45 mph (T) 65 mph (O)	Maintain 40 mph on 5% grade (T) 60 mph (O)	
• Payload	500 lbs	800 lbs
• Curb Weight	1200 lbs	700 lbs



All Terrain Vehicles

- Replaced aging ATV fleet with “off-the-shelf” vehicles
- Components will execute purchases on their own starting in FY14
- Average economical expected useful life is 3 years
- Approx 200 life cycle replacements needed per year

ACQUISITION STRATEGY

Pre-award Field Evaluation
GSA Multiple Award Schedule (MAS)
BPA: One Year with Four Option Years

PERIOD OF PERFORMANCE

PoP: May 2013 – April 2018
Ceiling buy 470 vehicles (2 years)

MILESTONES

GSA MAS Award: March 2012
Test & Evaluation: March-May 2012
Vehicle Fielding: July 2012

POINT OF CONTACT

PM FOSOV

FUNDING

\$6.1M total (FY13-18)

CURRENT CONTRACT/OEM

Polaris: MV-850



LTATV Requirements



- Range 75 miles at GVWR (T) 150 miles (O)
- Controls Standard Automotive (T=O)
- Acceleration @ GVWR 0-30 mph in 10 sec (T) in 5 sec (O)
- Internal Air Transport V-22 & MH-47 (T=O)
- Mobility 4x4 Drive System
- Payload (Two and Four Seat Variants Required)
 - Two Seat 700 lbs (T) 1000 lbs (O)
 - Four Seat 1200 lbs (T) 1800 lbs (O)
- Curb Weight
 - Two Seat 2500 lbs (T=O)
 - Four Seat 3000 lbs (T=O)
- Environment All Geography
 - Up to 10,000 feet altitude & -25 to +130 deg. F
- Performance @ GVW on Hard Surface
 - Maintain 45 mph (T) 65 mph (O) Maintain 40 mph on 5% grade (T) 60 mph (O)



Lightweight Tactical All Terrain Vehicle

- Replace LTATV fleet with approved Increment II Program Parameter Change with commercial “off-the-shelf” vehicles.
- Increment II LTATV will bring the latest technology to the field
- Projected annual procurement quantity: 185 vehicles per year

ACQUISITION STRATEGY

Full and Open Competition
Pre-award Field Evaluation
GSA Multiple Award Schedule (MAS)
BPA: One Year with Four Option Years

PERIOD OF PERFORMANCE

PoP: July 2013 – June 2018

MILESTONES

GSA RFQ Planned: Apr 2013
GSA Award: Jun 2013
Vehicle Fielding: Jan 2014

POINT OF CONTACT

PM FOSOV

FUNDING

\$9.5M per year (estimate)

CURRENT CONTRACT/OEM

Kawasaki: Teryx 750

V-22 ITV Requirements (DRAFT)

- Range 350 miles (T) 450 miles (O)
- Speed 65 mph (T) 75 mph (O)
- Tractive Effort 4x4 4WD w/Tractive Effort/Weight Equal to or Greater than .53 (T=O)
- Internal Air Transport V-22 & H-47 (No Shoring) (T=O)
- Aircraft Entry/Exit Time 60 Seconds (T) 30 Seconds (O)
- Electric Power Fill-in
- Casualty Transport 2 Litters (T) 6 Litters (O)
- Side Slope 30% (T) 40% (O)
- Longitudinal Slope 60% (T=O)
- Turning, Curb-to-Curb 50 Feet (T) 36 Feet (O)
- Payload
 - V-22 Flight Payload 2,000 (T) 3,500 (O)
 - On-the-Ground Payload 3,500 (T) 4,500 (O)
- Primary Weapon: M2, M240, M249, MK-46, MK-48, MK-19, & MK-47
- Mission Profile: 40% Cross Country, 30% Trails, 20% Secondary, & 10% Primary



V-22 Internally Transportable Vehicle

- PROGRAM OF RECORD (DRAFT)
 - CPD in Draft Form
 - Requested Funding in FY15 POM
 - Total Procurement 34 Vehicles (Subject to Change)
- AFSOC COMBAT EVALUATION
 - RFP Released March 2013 via Federal Business Opportunities Website
 - Two V-22 ITVs, Logistics Support, New Equipment Training & Spares

ACQUISITION STRATEGY

AFSOC Combat Evaluation: Full & Open
Program of Record: Full & Open (TBD)

PERIOD OF PERFORMANCE

PoP: Aug 2013 – Feb 2015
AFSOC Combat Evaluation: 1 Year
Program of Record: (TBD)

MILESTONES

AFSOC Combat Evaluation: Jan-Dec 2014
CPD: Current Estimate (3rd Qtr FY13)
RFP: TBD

POINT OF CONTACT

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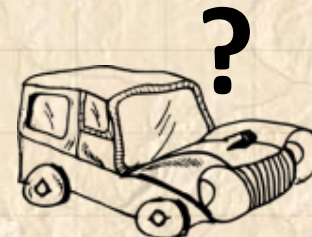
FUNDING

AFSOC Combat Evaluation: \$2.4M
Program of Record: Currently None

CURRENT CONTRACT/OEM

NONE

GMV1.1 Requirements



GMV 1.1

- Protection
 - Modular, lightweight armor solutions
 - Signature management in a variety of environments
- Design / Ergonomics
 - Embark/debark a C/MH-47 w/ primary weapons ready to fire in less than 60 seconds
 - 4 primary passengers plus gunner and provisions for 2 secondary passengers
 - 360 degree crew visibility while minimizing dead space
 - Safe and comfortable seat design
 - Primary weapons station can continuously traverse 360 degrees
- C4I Capacity
 - Reduced C4ISR footprint, modular & user installable
 - Flexible integration design to accommodate rapidly evolving C4ISR systems
 - Future growth plan

In Source Selection

GMV1.1 Requirements (continued)

- Mobility
 - Transportable internally via C/MH-47
 - GVW threshold of 13,000 lbs (Curb Weight + Flight Critical payload)
 - Operational profile:
 - 70% on secondary roads and trails
 - 30% primary roads
 - Capable of negotiating an 18 inch vertical step
 - Minimum 250 mile range using internal fuel tanks that are no more than 75% full
- Desirable future technologies
 - Multi-fuel capability
 - Simulators to save in training costs
 - Next-generation, enhanced situational awareness tools
 - Reduction in size, weight power and cost of C4I integration “A” kit
- Sustainment
 - Modular maintenance/parts
 - Maintainable by operators in austere environments with minimal assistance

Ground Mobility Vehicle (GMV 1.1)

- Approved requirement for a MH-47 internally transportable, “roll off” mission ready, medium weight vehicle
- Single contract award for test quantities leading to a full-rate production decision
- Projected full-rate procurement quantity: 1,297 (FOC)

ACQUISITION STRATEGY

Full and Open Competition
Single Vendor Award
Produce and evaluate Test Vehicles
Full-Rate Production Decision

PERIOD OF PERFORMANCE

PoP: Aug 13 – Aug 20
2 Years Integration, Evaluation and Test
5 Years Production (Optional CLINs)

MILESTONES

RFP Release : Apr 12
Contract Award: Aug 13
Test/Evaluation Start: May 14
Full Rate Production Award: Dec 14

POINT OF CONTACT

PM FOSOV

FUNDING

Source Selection in Progress

CURRENT CONTRACT/OEM

None

NSCV Requirements

Commercial vehicles that include some combination of the following SOF modifications:

- Armor
- C4ISR wiring, mounts and antennas
- Upgraded Suspension and chassis reinforcement
- Heavy duty brakes
- IR lighting
- Winch
- Run Flat Tires
- Roof Rack
- Additional power outlets



Non-Standard Commercial Vehicles

- Provide SOF operators with low signature mobility by acquiring commercial vehicles that are representative of indigenous operating environments and modified to meet SOF-unique requirements
- Estimated \$69M effort for a total of ~300 vehicles

ACQUISITION STRATEGY

GSA Blanket Purchase Agreement

PERIOD OF PERFORMANCE

PoP: 16 Mar 2013 to 16 Mar 2016
Three Year Blanket Purchase Agreement

MILESTONES

GSA RFQ Planned: Dec 2012
GSA Award: Mar 2013
Test & Eval: Jul 2013 thru Feb 2014
Vehicle Fielding: Feb 2014

POINT OF CONTACT

PM FOSOV

FUNDING

\$23.7M per year (average FY14-19)

CURRENT CONTRACT/OEM

Battelle Memorial Institute



Questions?



**PM FOSOV: Enabling Users to Meet Their Objectives
and Return Home Safely**