

Special Operations Forces



Industry Conference

LtCol Renee Holmes

Program Manager

Family of Special Operations Vehicles

Opportunities



SOF WARRIOR



SOF WARRIOR



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

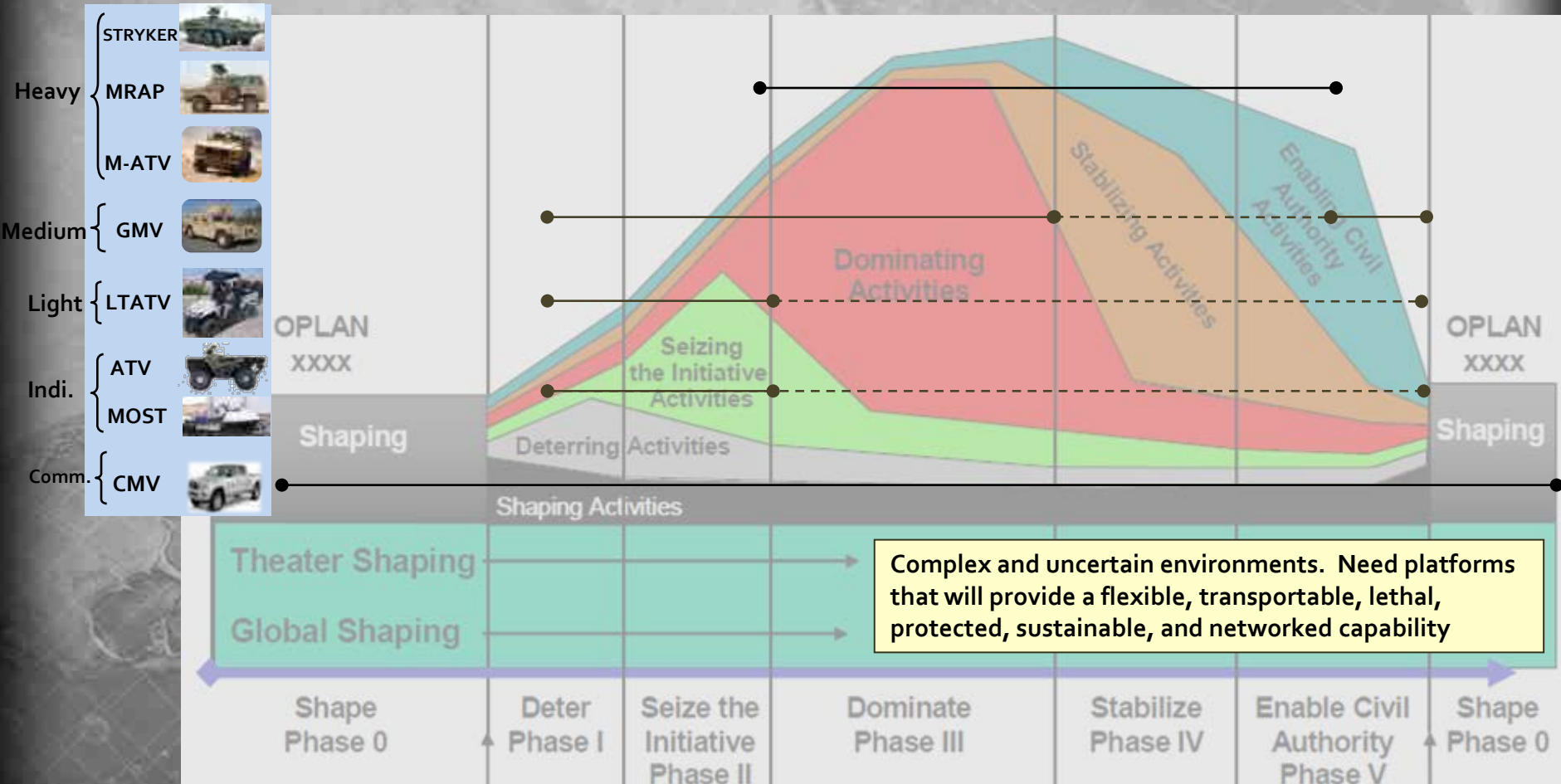


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Scope of the Tactical Mobility Requirement

- Primary Platform
- Supporting Platform





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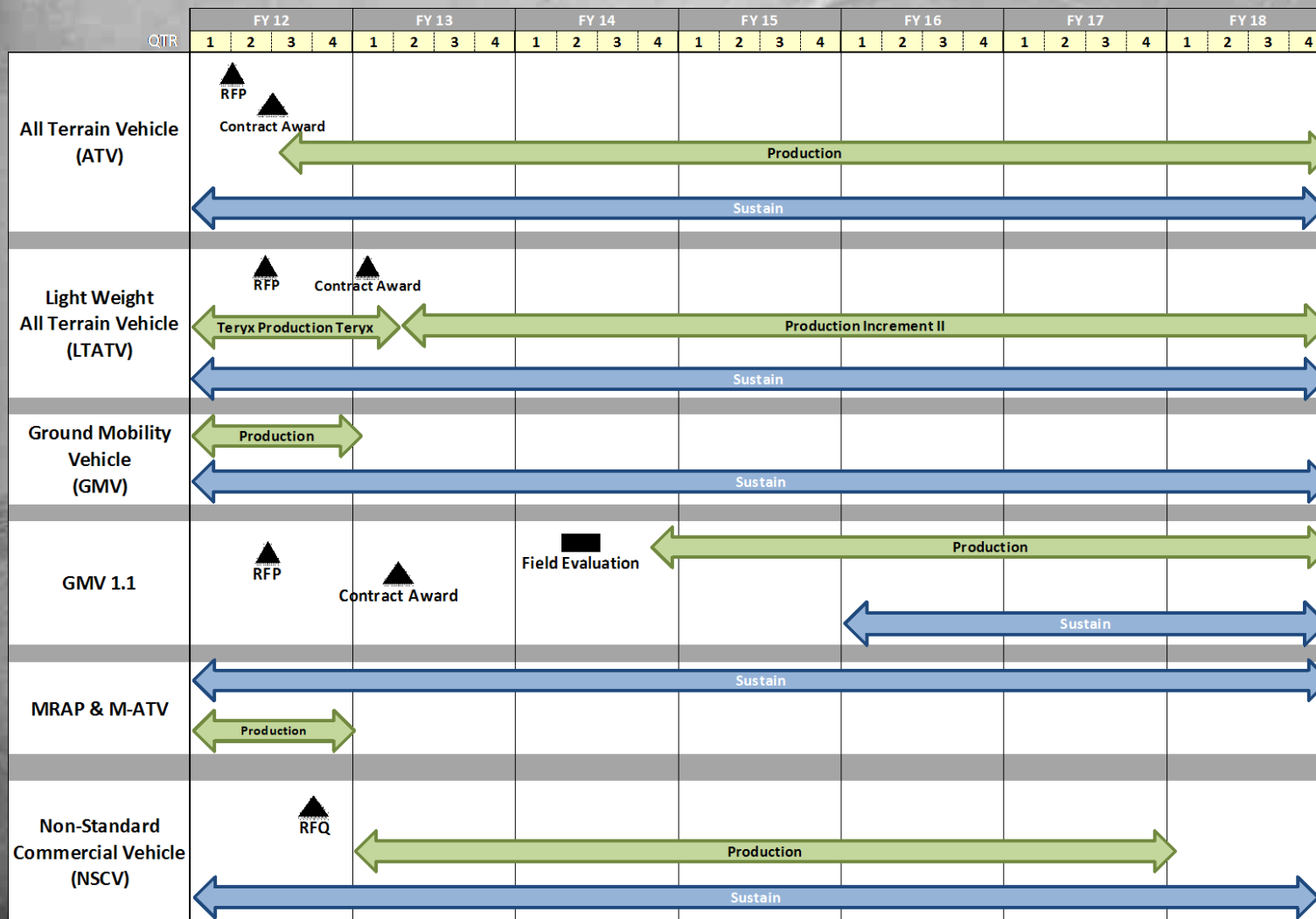
- **593 modified-COTS All-Terrain Vehicles**
- **651 modified-COTS Light Tactical All Terrain Vehicles**
- **1,141 SOF Ground Mobility Vehicles (HMMWV-based)**
- **343 Non-Standard Commercial Vehicles**



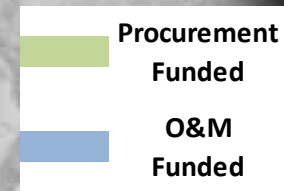
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FOSOV Road Map



Legend





Acquisition Philosophy

- **Maximize utilization of Service Common material solution**
 - Fully integrated in the requirements/development process
- **Integration at the System Level for Operational Capability**
 - Modular, user installable C4I
 - Weapons integration
 - Ballistic/Blast protection upgrades
 - Modularity, flexibility of modification, speed of delivery for mission
- **Build SOF Specific material solution**
 - Procure and sustain when above two options are unavailable
 - Limited resources
 - Focused on SOF-specific missions



All Terrain Vehicles

- Replace aging ATV fleet with “off-the-shelf” vehicles
- Components may 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

Full and Open Competition
Pre-award Field Evaluation
GSA Multiple Award Schedule (MAS)

Period of Performance

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

\$7.2M total (FY12 + FY13)

Current Contract/OEM

Polaris: MV-850



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 GVWR | 0-30 mph in 7 sec GVWR | 0-45 mph in 7 sec |
| • Transportability – Air Droppable | Internal (CV-22 & MH-47) | T=O |
| • Mobility | 4x4 Drive System | |
| • Environment – 10K feet altitude & -25 to +130 degrees Temp Range | All Geography | |
| • Performance – Maintain 45 mph (T) 65 mph (O) | At GVW Hard Surface | Maintain 40 mph on 5% grade (T) 60 mph (O) |
| • Payload | 500 lbs | 800 lbs |
| • Curb Weight | 1200 lbs | 700 lbs |



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 of 294 vehicles per year

Acquisition Strategy

Full and Open Competition
Pre-award Field Evaluation
GSA Multiple Award Schedule (MAS)

Period of Performance

One year with four option years:
Blanket Purchase Agreement
GSA Multiple Award Schedule (MAS)

Milestones

GSA RFI Planned: June 2012
GSA RFQ Planned: August 2012
GSA Award: November 2012
Vehicle Fielding: March 2013

Point of Contact

PM FOSOV

Funding

\$9.5M per year (estimate)

Current Contract/OEM

Kawasaki: Terex 750



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** 900 lbs (T) 1000 lbs (O)
 - **Four Seat** 1200 lbs (T) 1500 lbs (O)
- **Curb Weight**
 - **Two Seat** 1600 lbs (T) 1000 lbs (O)
 - **Four Seat** 2000 lbs (T) 1800 lbs (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)



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 of ~200 vehicles | per year

Acquisition Strategy

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

Period of Performance

2 Years Integration, Evaluation and Test
5 Years Production (Optional CLINs)

Milestones

RFP Release : Apr 12
Test Qty Production Award: Jan 13
Test/Evaluation Start: Oct 13
Full Rate Production Award: Jul 14

Point of Contact

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Funding

\$396M (FYDP)

Current Contract/OEM

None



GMV1.1 Requirements

- **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



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
- **Sustainment**
 - Modular maintenance/parts
 - Maintainable by operators in austere environments with minimal assistance



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

Full and Open Competition
GSA Blanket Purchase Agreement

Period of Performance

Five Year Blanket Purchase Agreement

Milestones

GSA RFQ Planned: May 2012
GSA Award: July 2012
Test & Eval: Oct 2012 thru May 2013
Vehicle Fielding: July 2013

Point of Contact

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Funding

\$11M per year (estimate)

Current Contract/OEM

Ultra Armoring



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**



SOF WARRIOR



Questions ?



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