Special Operations Forces

Industry Conference

LtCol Renee Holmes
Program Manager
Family of Special Operations Vehicles
Opportunities

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
Complex and uncertain environments. Need platforms that will provide a flexible, transportable, lethal, protected, sustainable, and networked capability.
- 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
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)

**Funding**
- $7.2M total (FY12 + FY13)

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

**Current Contract/OEM**
- Polaris: MV-850

**Point of Contact**
- PM FOSOV
## ATV Requirements

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

<table>
<thead>
<tr>
<th>Acquisition Strategy</th>
<th>Period of Performance</th>
<th>Funding</th>
<th>Current Contract/OEM</th>
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<tr>
<td>Full and Open Competition&lt;br&gt;Pre-award Field Evaluation&lt;br&gt;GSA Multiple Award Schedule (MAS)</td>
<td>One year with four option years:&lt;br&gt;Blanket Purchase Agreement&lt;br&gt;GSA Multiple Award Schedule (MAS)</td>
<td>$9.5M per year (estimate)</td>
<td>Kawasaki: Terex 750</td>
</tr>
</tbody>
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Milestones
- GSA RFI Planned: June 2012
- GSA RFQ Planned: August 2012
- GSA Award: November 2012
- Vehicle Fielding: March 2013
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

**Current Contract/OEM**
- None

**Funding**
- $396M (FYDP)

**Point of Contact**
- PM FOSOV
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

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<tr>
<td>Full and Open Competition</td>
<td>Five Year Blanket Purchase Agreement</td>
<td>GSA RFQ Planned: May 2012</td>
<td>Ultra Armoring</td>
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<tr>
<td>GSA Blanket Purchase Agreement</td>
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<td>GSA Award: July 2012</td>
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<td>Test &amp; Evil: Oct 2012 thru May 2013</td>
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<td>Vehicle Fielding: July 2013</td>
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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
Questions?

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