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.
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

<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 GVWR</td>
</tr>
<tr>
<td>Transportability</td>
<td>Internal (CV-22 &amp; MH-47)</td>
<td>T=O</td>
</tr>
<tr>
<td></td>
<td>Air Dropable</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>
</tr>
</tbody>
</table>
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
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

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**
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**
PM FOSOV

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

**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

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
Questions?

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