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
FIELDDED PLATFORMS

- 858 modified-COTS Light Tactical All Terrain Vehicles
- 402 Non-Standard Commercial Vehicles
- 1,293 SOF Ground Mobility Vehicles (HMMWV-based)
- 802 SOF Unique MRAPs
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, H-47, H-53 (T=O)
- **Mobility**: 4x4 Drive System
- **Payload (Two and Four Seat Variants Required)**
  - Two Seat: 1000 lbs (T) - 1200 lbs (O)
  - Four Seat: 1500 lbs (T) - 1800 lbs (O)
- **Curb Weight**
  - Two Seat: 2500 lbs (T) - 2000 lbs (O)
  - Four Seat: 3000 lbs (T) - 2500 lbs (O)
- **Environment**: All Geography
  - Up to 10,000 feet altitude & -25 to +120 deg. F
- **Performance @ GVW on Hard Surface**
  - Maintain 50 mph (T) - 60 mph (O)
  - Maintain 40 mph on 5% grade (T) - 60 mph (O)
LIGHTWEIGHT TACTICAL ALL TERRAIN VEHICLE

- Life-cycle replacement of legacy LTATV fleet, ~185/yr
- LTATV will bring the latest technology to the field (2 & 4 seat variants)

**ACQUISITION STRATEGY**
- GSA Multiple Award Schedule (MAS)
- BPA: One Year with Four Option Years

**PERIOD OF PERFORMANCE**
- PoP: September 2013 – September 2018

**MILESTONES**
- GSA RFQ: Apr 2013
- GSA Award: September 2013
- Vehicle Fielding: June 2014

**CURRENT CONTRACT/OEM**
- Polaris MRZR2 and MRZR4

**FUNDING**
- $9.5M per year (estimate)

**POINT OF CONTACT**
- 813.826.9482 (TILO)
V-22 ITV REQUIREMENTS (DRAFT)

- Range: 400 miles (T) 450 miles (O)
- Speed: 65 mph (T) 75 mph (O)
- Internal Air Transport: V-22 (No Shoring) (T=O)
- Aircraft Entry/Exit Time: 60 Seconds (T) 30 Seconds (O)
- Casualty Transport: 3 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: 1100 (T) 3500 (O)
  - Ground Payload: 3000 (T) 3500 (O)
- Primary Weapon: M2, M240, M249, MK-46, MK-48, MK-19, & MK-47
- Mission Profile: 40% Cross Country, 30% Trails, 20% Secondary, 10%
• AFSOC COMBAT EVALUATION
  - RFP Released March 2013 via Federal Business Opportunities Website
  - FFP IDIQ Contract Awarded September 2013
  - Three V-22 ITVs, Logistics Support, New Equipment Training & Spares
• PROGRAM OF RECORD (DRAFT)
  - CPD in Draft Form
  - Current Estimate: 3rd quarter FY15
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
  – 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
  – 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)

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<td>Full and Open Competition</td>
<td>PoP: Aug 13 – Aug 20</td>
<td>Contract Award: Aug 13</td>
<td>813.826.9482 (TULO)</td>
<td>$50.0M per year (average FY14-19)</td>
<td>General Dynamics Ordnance and Tactical Systems (GDOTS)</td>
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<td>Single Vendor Award</td>
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<td>Produce and evaluate Test Vehicles</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 & Blackout capabilities
- 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
  – Includes Life Cycle Replacement

ACQUISITION STRATEGY
GSA Blanket Purchase Agreements

PERIOD OF PERFORMANCE
PoP: (Armored) 16 Mar 2013 to 16 Mar 2016
(Unarmored) 17 Jul 2013 to 17 Jul 2016
Three Year Blanket Purchase Agreement’s

MILESTONES
GSA RFQ Planned: Oct 2012 / Jan 2013
GSA Award: Mar 2013 / Jul 2013
Test & Eval: Jan 2014 thru Nov 2014
Vehicle Fielding: Aug 2014 (IOC)

POINT OF CONTACT
813.826.9482 (TILO)

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

CURRENT CONTRACT/OEM
Battelle Memorial Institute (Armored)
Ultra Armoring (Unarmored)
HOW CAN INDUSTRY HELP?

- Mobility enhancements – all
- Small form diesel engine - LTATV
- Purpose built NSCV CRADA/SBIR
- Lightweight (thin) Transparent Armor (GMV 1.1 / NSCV)
- Passive noise cancellation for engines
- Reduced visual signature (eg camo, 3D camo) paint treatments
- Rapid Emergency Egress doors
QUESTIONS?

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