



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

LtCol James Utsler
Program Manager

SOF WARRIOR
FAMILY OF SPECIAL
OPERATIONS
VEHICLES



SOF WARRIOR

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

SOF WARRIOR

FIELDIED 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



- Awarded GSA Blanket Purchase Agreement to Polaris Defense in 2013.
- 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

POINT OF CONTACT

813.826.9482 (TILO)

FUNDING

\$9.5M per year (estimate)

CURRENT CONTRACT/OEM

Polaris MRZR2 and MRZR4

SOF WARRIOR



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%



V-22 INTERNALLY TRANSPORTABLE VEHICLE



- 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

ACQUISITION STRATEGY

AFSOC Combat Eval: Full & Open
Program of Record: Full & Open

PERIOD OF PERFORMANCE

IDIQ PoP: Sep 2013 – Sep 2016
AFSOC Combat Evaluation: 1 Year
Program of Record: (TBD)

MILESTONES

AFSOC Combat Eval:
June 2014 - June 2015
CPD: Estimated 3rd Qtr FY15
RFP: Estimated 2nd Qtr FY17

POINT OF CONTACT

813.826.9482 (TILO)

FUNDING

AFSOC Combat Evaluation: \$2.4M
Program of Record: Funding
Programmed in FY17

CURRENT CONTRACT/OEM

General Dynamics Ordnance and
Tactical Systems (GDOTS)

SOF WARRIOR

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



SOF WARRIOR

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

Contract Award: Aug 13
Test/Evaluation Start: Jul 14
Production: Feb 15

POINT OF CONTACT

813.826.9482 (TILO)

FUNDING

\$50.0M per year (average FY14-19)

CURRENT CONTRACT/OEM

General Dynamics Ordnance and
Tactical Systems (GDOTS)

SOF WARRIOR

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



SOF WARRIOR

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)

SOF WARRIOR

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**

SOF WARRIOR