Advanced Planning Briefing to Industry

April 5-7, 2010

Robotic Systems Joint Project Office

Jeffrey Jaczkowski, Deputy Project Manager

April 7, 2010
PEO Land Systems
PM Expeditionary Fighting Vehicle
PM JPMO, Lightweight 155, Picatinny, NJ
PM Marine Personnel Carrier (MPC)
PM Logistics Vehicle System Replacement (LVSR)
PM Joint Light Tactical Vehicle (JLTV)
PM Medium Tactical Vehicle Replacement (MTVR)
PM Ground/Air Task Oriented Radar (G/ATOR)
PM Common Aviation Command & Control System (CAC2S)

Product Group 12 Director, Communications, Intelligence, & Networking Systems
Product Group 14 Director, Armor & Fire Support Systems
Product Group 15 Director, Ground Transportation & Engineer Systems
Product Group 16 Director, Combat Equipment and Support Systems
Product Group 09 Director, Operational Forces Systems
Product Group 10 Director, Information Systems & Infrastructure
Product Group 11 Director, MAGTF C2, Weapons & Sensors Development & Integration
Product Group 12 Director, Communications, Intelligence, & Networking Systems
Product Group 13 Director, Infantry Weapons Systems
Product Group 14 Director, Armor & Fire Support Systems
Product Group 15 Director, Ground Transportation & Engineer Systems
Product Group 16 Director, Combat Equipment and Support Systems

Chief of Staff
Operations Cell
Postal
Reserve Affairs
Security

Chief Management Office (CMO)
Facilities, Services and Supply (FS&S)
Office of the Command Information Officer (CIO)
Strategic Change Management Center (SCMC)

EXECUTIVE DIRECTOR *

Sergeant Major

Assistant Commander Contracts ^
Contracts Competency Domain/Competency Leaders

Assistant Commander Life Cycle Logistics ^
Life Cycle Logistics Competency Domain/Competency Leaders

Program Manager, Ammunition
Program Manager, Global Combat Support System-Marine Corps
Program Manager, Light Armored Vehicle Warren, MI
Program Manager, Mine Resistant Ambush Protected
Program Manager, Joint Robotic Systems Warren, MI
Program Manager, Training Systems Orlando, FL
Deputy JPEO, Chemical & Biological Defense Arlington, VA

Assistant Commander Programs ^

Assistant Commander Resource Management ^

Assistant Commander SIAT ^^

Assistant Commander Life Cycle Logistics ^

Assistant Commander Programs ^

Product Manager, Training Systems Orlando, FL
Deputy JPEO, Chemical & Biological Defense Arlington, VA

* = SES Position
^ = Competency Director
> = Counsel reports to DepCounsel to Commandant
< = Safety reports to SIAT

Updated 4 Dec 09
Organizational Relationships

- Army – USMC MOA
  - AMC
    - GEN Dunwoody
  - Joint Center for Robotics
    - Dr. Hudas
  - Joint Ground Robotic Enterprise
    - Dr. Overholt

- Over 20 Robotic Systems
  - Robotic Systems JPO
    - Project Manager
      - LtCol Thompson (USMC)

- Chartered by AAE
  - MARCORSYSCOM
    - BGen Brogan
  - PEO GCS
    - BG Ogg
  - PEO Integration (BCT Mod)
    - MG Bartley
  - PEO I – UGV
    - LTC Ferreira

- RDECOM-TARDEC
  - Dr. Bochenek

- MCWL
  - Jim Lasswell

- MCCDC

- TRADOC
  - BG Dyess

- Maneuver Center of Excellence
  - COL Ellerson
Robotic Systems Portfolio

**Maneuver**
- IED Defeat Systems
- Disarm / Disrupt
- Reconnaissance
- Investigation
- Explosive Sniffer

**Maneuver Support**
- Area/Route Clearance
- Mine Neutralization
- Counter IED
- CBRNE

**Sustainment**
- Common Robotic Kit
- EOD
- Convoy
- Log/Resupply
Adapting to the Changing Fight

- Robotic systems have functioned properly and reliably during OIF/OEF
- RS JPO has fielded over 6000 ground robotic systems since 2004

What the Joint Warfighter wants:
- Extended range and robust comms
- Smaller, more compact devices
- Common controller
- Longer battery life
- Increased endurance, dexterity & agility
- More capable payloads
- Cameras, comms, IED detection, etc
- More systems

Although Marines are generally satisfied with current UMS, a common concern is the weight, size, frequency allocation, and power consumption
Joint Robotic Repair and Fielding in OIF/OEF

Iraq
- 9 Soldiers/Мarines
- 7 civilians
- 1400+ robots

Afghanistan
- 14 Soldiers/Мarines
- 5 civilians
- 1350+ robots

Future sites at:
- Sharana (RC-E)
- Shindand (RC-W)
- Mazar-E-Sharif (RC-N)
Near-Term Program Initiatives

• Equipping the force (1 MEF robot needs)
  – Devil Pup (mini-EOD)
  – R2C robot
  – xBot

• Robot modernization
  – Comms
  – Tool kit
  – Battery tray
  – Additional payloads

• Interoperability Industry Day – 15 June 2010

• Theater sustainment of ground robots
  Joint Robotic Repair and Fielding Activity
## RS JPO Procurement Funding  MV-4/Small Robot

<table>
<thead>
<tr>
<th></th>
<th>FY 09</th>
<th>FY 10</th>
<th>FY 11</th>
<th>FY 12</th>
<th>FY 13</th>
<th>FY 14</th>
<th>FY 15</th>
<th>FY 16</th>
<th>FY 17</th>
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<tbody>
<tr>
<td><strong>MV4B Funds ($m)</strong></td>
<td></td>
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<td>MV4B Funds ($m)</td>
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<td><strong>MTRS-RC Funds ($m)</strong></td>
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## RS JPO Current IDIQ Contracts

<table>
<thead>
<tr>
<th>Contractor/Contract Number</th>
<th>POP</th>
<th>Ceiling</th>
<th>Ceiling Remaining</th>
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<tbody>
<tr>
<td>AGT, W900K-08-D-0034</td>
<td>28-Feb-13</td>
<td>$45M</td>
<td>$24.27M</td>
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<td>DOK-ING, N61339-07-D-0012</td>
<td>31-Dec-11*</td>
<td>$45M</td>
<td>$20M</td>
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<td>RC 50/60, Alion 0908041RW Task Order 1</td>
<td>31 Mar 10</td>
<td>$312,628</td>
<td>Approx $10K</td>
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<td>iRobot FasTac, W900K-08-D-0033</td>
<td>30-Sep-12</td>
<td>$286M</td>
<td>$158M</td>
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<td>ICX Nomadics IDIQ, N61339-07-D-0008</td>
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<td>Remotec, N61339-07-D-0013</td>
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<td>iRobot, PackBot, W900KK-08-D-0040</td>
<td>22-Aug-13</td>
<td>$200M</td>
<td>$168M</td>
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* Contract extension in progress

3 March 2010
RS JPO Near Term Contractual Actions

- Mini-EOD: Existing REF contract at Ceiling at 229 systems. New requirement for additional 119 systems plus spares. Working an Urgent action (UCA) to meet this requirement. Concurrently working a long term Mini EOD contract for future requirements and sustainment.
- Talon: New sole source 5 year IDIQ with a ceiling of $75M for systems, spares, training and RMAs. Separate Systems Technical Support contract for approx. $6-8M.
- Packbot: New sole source 5 year IDIQ with a ceiling of $60M for systems, spares, training and RMAs.
- MV-4: Systems Technical Support (STS) stand alone contract. CPFF type contract. 3 year with a maximum of 60,000 hours.
- MV-4: New sole source 5 year IDIQ with 10 min/64 max and with a ceiling of $43M. Includes, systems, spares, training, and FSRs. Current production contract is being extended to 31 Dec 11.
- Small Robot: Working with USMC to determine final requirements for the Route Reconnaissance & Clearance (R2C) robot Program of Record. A full & open competition will be utilized to select the contractor.
- Satellite Communication Services: For 12 months (May 10 to April 11) at all OCONUS JRRD Locations, estimated $500k.
Opportunities for Industry

• Small Robot for Clearance Company
  – Expected to competitively award 2QFY11

• EDD (Explosive Detection Device)
  – Anticipate Late FY10 competitive award for 1,500

• Open Architecture Standards for UMS Interoperability

• Robotic Components
  – Continue Contingency Systems
  – Second Sourcing Opportunities
  – Multiple Systems
  – Multiple Components
  – Varied Schedule

• Squad Multipurpose Equipment Transport (S-MET)
  – Competitive action with down select. Quantity of 5,900 units. Anticipate R&D efforts in FY14 and production in FY16. Currently working on LCCE to be completed 3QFY10.
• **Next Speaker:**