



MARINE CORPS SYSTEMS COMMAND PROGRAM EXECUTIVE OFFICER LAND SYSTEMS



Advanced Planning Briefing to Industry

April 5-7, 2010



Robotic Systems Joint Project Office

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April 7, 2010

COMMANDER

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)

Chief of Staff

- Operations Cell
- Postal
- Reserve Affairs
- Security

Chief Management Office (CMO)

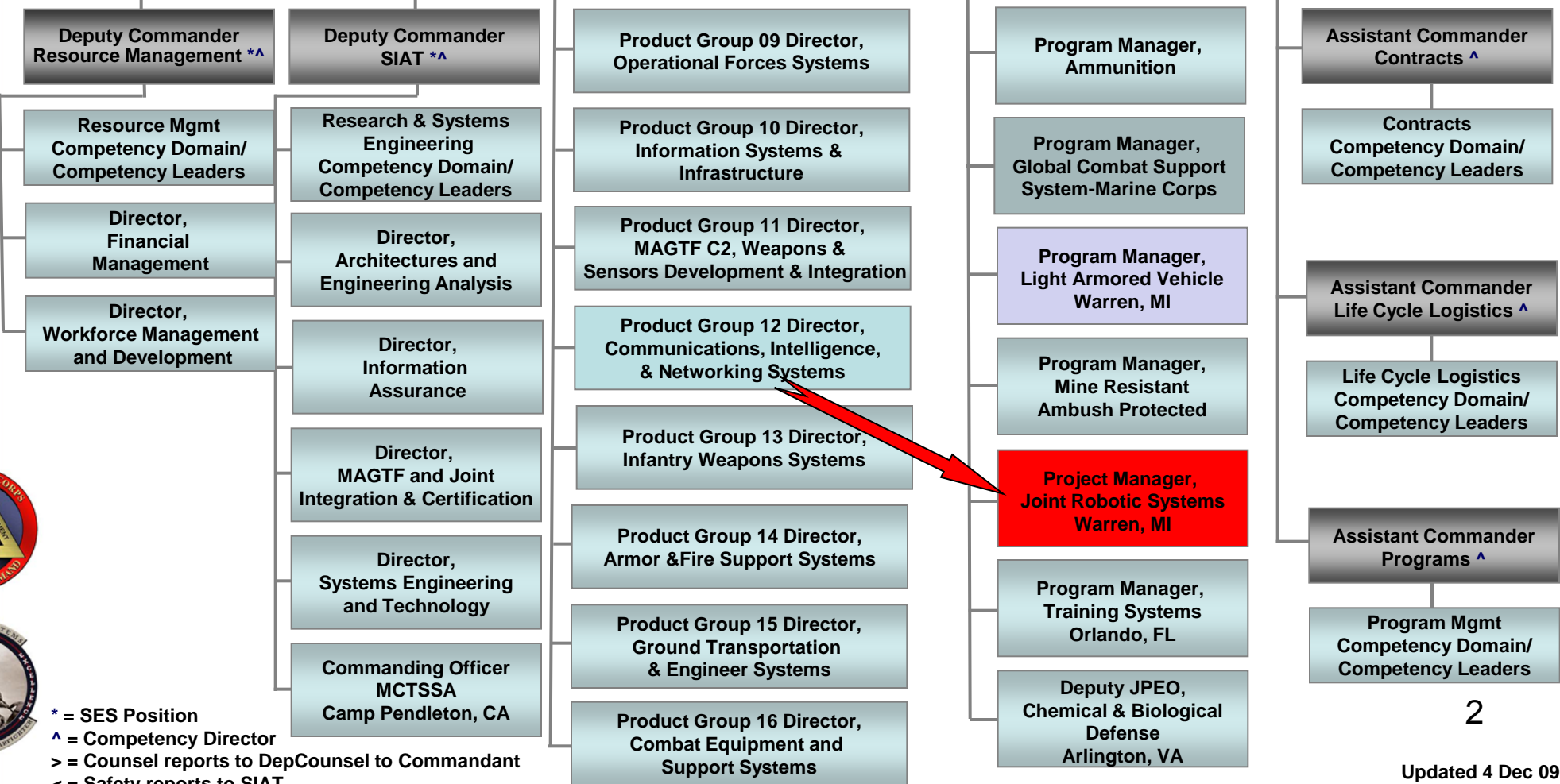
- Facilities, Services and Supply (FS&S)
- Office of the Command Information Officer (CIO)
- Strategic Change Management Center (SCMC)

Sergeant Major

EXECUTIVE DIRECTOR *

Special Staff

- Corporate Communications
- International Programs (IP)
- Office of the Counsel >
- Office of Small Business Programs (OSBP)
- Safety <



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

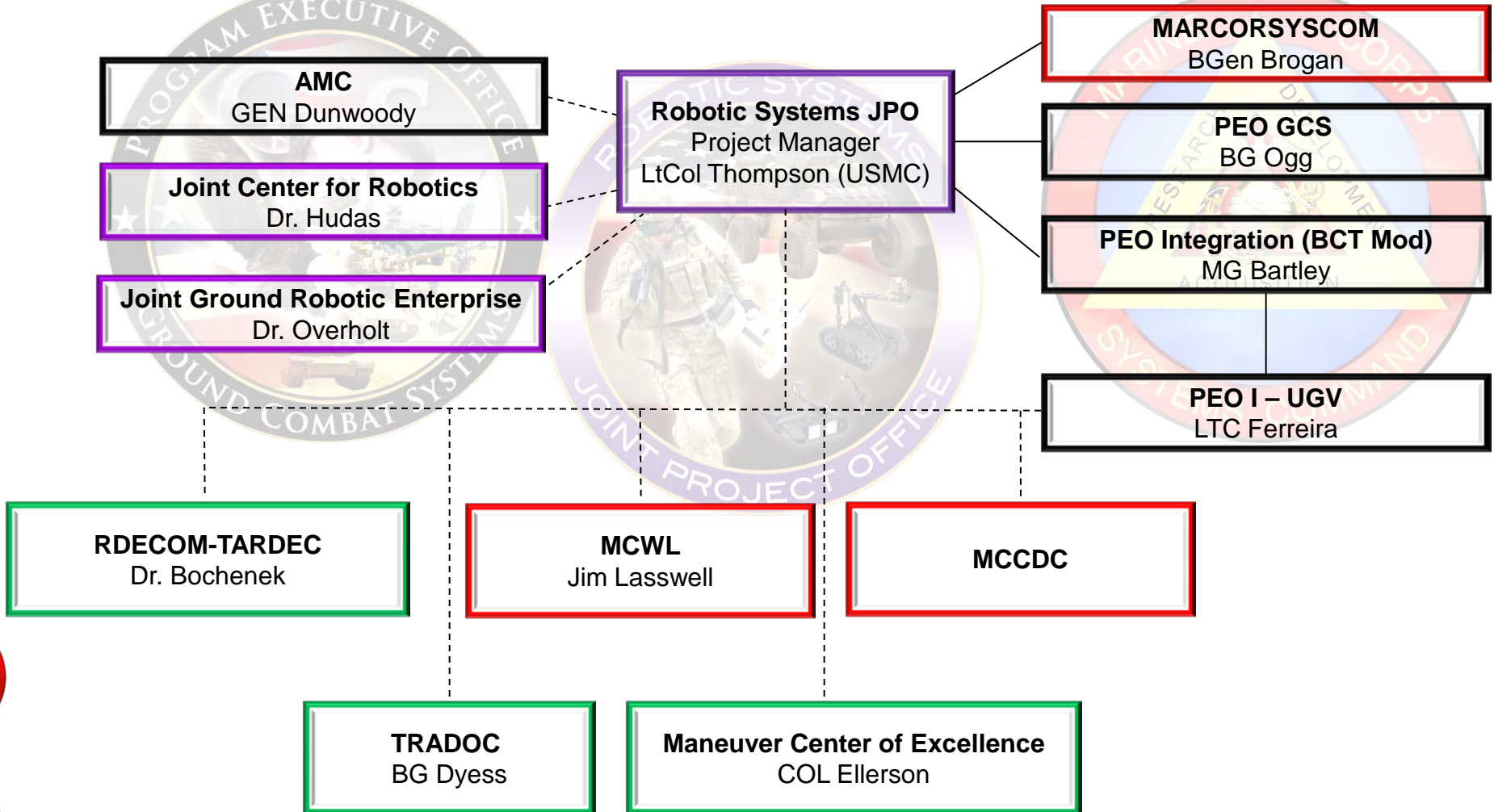


Organizational Relationships

• Army – USMC MOA

• Over 20 Robotic Systems

• Chartered by AAE



Robotic Systems Portfolio

Maneuver



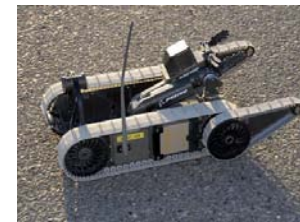
- IED Defeat Systems
- Disarm / Disrupt
- Reconnaissance
- Investigation
- Explosive Sniffer

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/Marines
- 7 civilians
- 1400+ robots

Afghanistan

- 14 Soldiers/Marines
- 5 civilians
- 1350+ robots



JRRD-A
Bagram Air Field



Camp Speicher

Al Taqaddum
Airbase

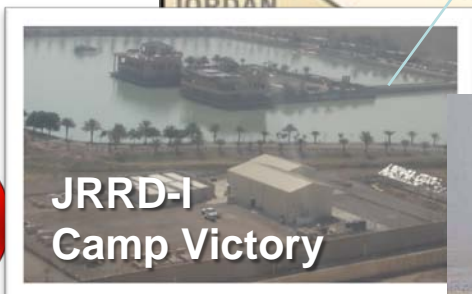
Camp
Leatherneck



Kandahar Air Field



Future sites at:
-Sharana (RC-E)
-Shindand (RC-W)
-Mazar-E-Sharif (RC-N)



JRRD-I
Camp Victory



Near-Term Program Initiatives

- **Equipping the force (I 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

FY	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17
MV4B Funds (\$m)	\$16.09	\$14.98	\$16.65	\$17.47	\$12.13	\$6.97	\$4.91	\$3.89	\$1.70
MV4B Systems	12	2	2	10	3	0	0	0	0
MTRS-RC Funds (\$m)	\$0.00	\$2.50	\$11.36	\$16.06	\$14.56	\$14.90	\$19.04	\$12.62	\$4.00
MTRS-RC Systems	0	0	54	36	30	27	65	16	0



RS JPO Current IDIQ Contracts

Contractor/Contract Number	POP	Ceiling	Ceiling Remaining
AGT, W900K-08-D-0034	28-Feb-13	\$45M	\$24.27M
DOK-ING, N61339-07-D-0012	31-Dec-11*	\$45M	\$20M
RC 50/60, Alion 0908041RW Task Order 1	31 Mar 10	\$312,628	Approx \$10K
iRobot FasTac, W900K-08-D-0033	30-Sep-12	\$286M	\$158M
ICX Nomadics IDIQ, N61339-07-D-0008	30-Sep-10	\$28M	\$8.36M
Remotec, N61339-07-D-0013	22-Feb-11	\$45M	\$36M
iRobot, PackBot, W900KK-08-D-0040	22-Aug-13	\$200M	\$168M

* 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:**

