



MARINE CORPS SYSTEMS COMMAND PROGRAM EXECUTIVE OFFICER LAND SYSTEMS



Advanced Planning Briefing to Industry
5-7 April 2010

MAGTF COMMAND AND CONTROL, WEAPONS AND SENSORS DEVELOPMENT AND INTEGRATION



Col Peter C. Reddy, USMC
Director, Product Group 11

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PG 11 Portfolio

63 Total Projects
\$3.3B FY09-15

PGD: Col Pete Reddy

MC2I Systems Integration Team: Mr. Darrell Schultz

Air Defense Weapons Systems:
LtCol Brock McDaniel

- CTN (III)
- JSS (III-AF)
- MACCS
 - MACCS-S (AAP)
 - ADCP
 - BLOS
 - CDLS
 - CIS
 - DASC-AS
 - SAAWF
 - TAOM
 - MTAOM (AAP)

- GBAD-T
 - A-MANPADS (AAP)
 - A-MANPADS Incr I (AAP)
 - A-MANPADS Incr II (NA)
 - LAAD Sustainment
- Unmanned Systems**
 - MUAS (WASP) (UUNS-N)**
 - SURSS (Raven B) (IVT-N)**
 - ISR Services (UUNS)**
 - STUAS (tbd) (III-N)**
 - Video Terminals**
 - ROVER (UUNS)**
 - Video Scout (AAP)**
 - RVVT (NA)**

MAGTF C2 Systems:
Mr. Erik Gardner

- AFATDS (II-A)**
 - BUCS**
 - MTS**
- BFSA
 - D-DACT (IVT)
 - C2CE
 - BFT FoS (tbd)
 - BFT
 - BFT II
 - JCR
 - KGV-72
 - MRC
 - JBC-P (NA-A)

- BTID/JCTI-G (SI-A)
 - JCIMS (UUNS)
 - COC
 - COC CS II-IV (III)
 - OEF UUNS (UUNS)
 - MAGTF C2 COC Model G
 - M2C2 (MRAP) (UUNS)
 - JTCW (IVT)
 - TLDHS (III)
 - GCCS (IAM-J)
 - TCO (IVT)

Radar Systems:
Mr. Reginald Brown

- Long Range Radar
 - AN/TPS-59 (IVT)
 - (V)3 Incr I
 - (V)3 Incr II
 - 3DELRR (SI-AF)
 - FMS (7 Cases)
 - FTAS**
 - AN/TPQ-46 (III)**
 - LCMR (AAP)**
 - TPS (AAP)**

Legend

- C2ID
- FMID
- FPID

• NA = Not Assigned

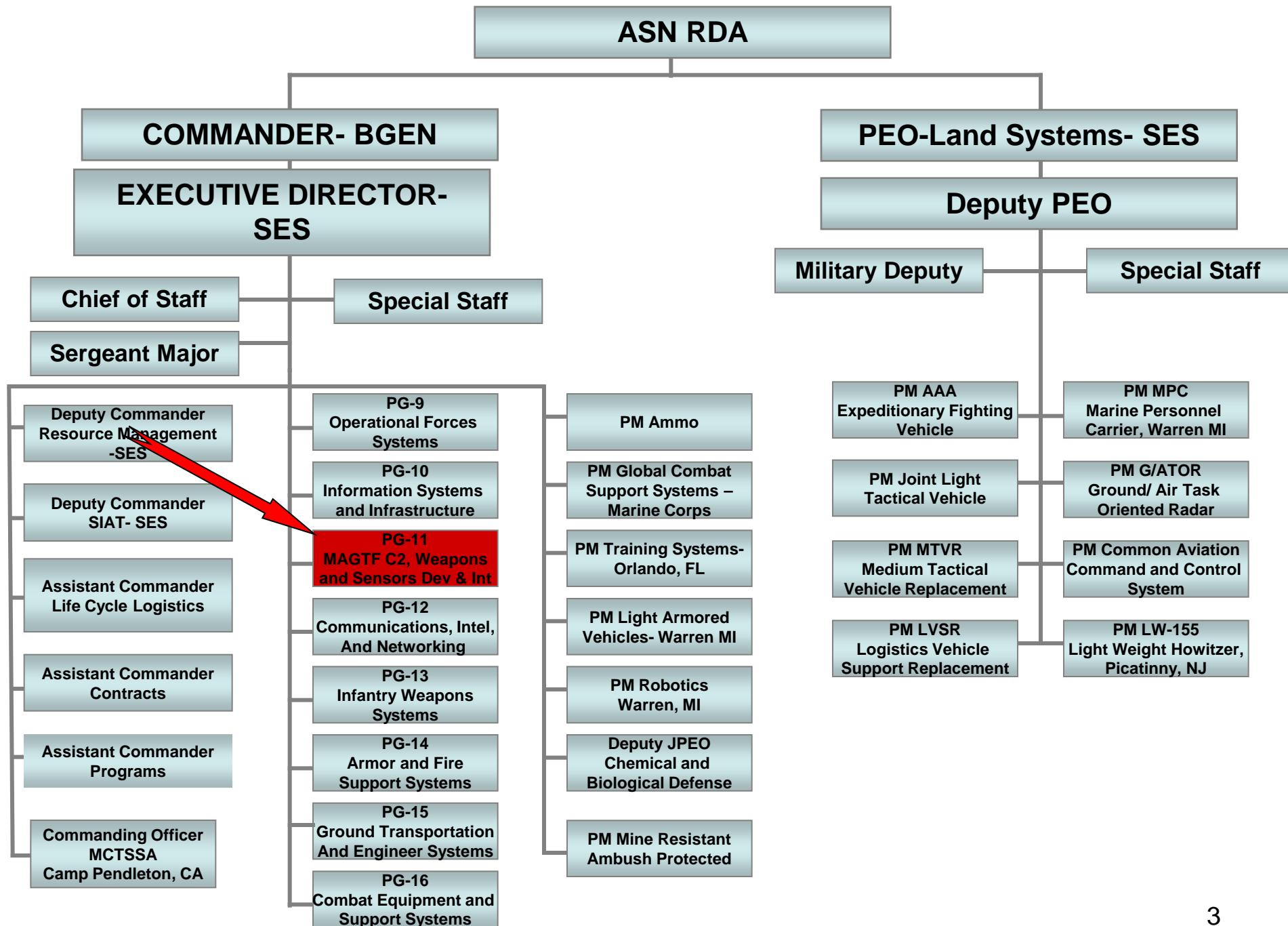
Technology Initiatives

- Battlefield Sensor Netting
- BMS-MC / DBMA
- COP Fusion Tools / SIE
- Corporal
- MOSS
- M2C2
- TEDS



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MCSC Organization Line Chart



Product Group Principals:

Product Group Director: *Col Pete Reddy*

PM Air Defense Weapons Systems/Unmanned Systems: *Lt Col Brock McDaniel*

PM MAGTF C2 Systems: *Mr. Erik Gardner*

PM Radar Systems: *Mr. Reginald Brown*

MC2I Systems Integration Team: *Mr. Darrell Schultz*









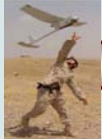





Competency Alignment Team

- Business Manager: *Ms. Kristine Rinaldo*
- Contracts Manager: *Ms. Lee Hoyland*
- Lead Financial Manager: *Ms. Diana Wyatt*
- Lead Engineer: *Ms. Jeanette Evans-Morgis*
- Lead Logistician: *Ms. Jennifer Griggs*



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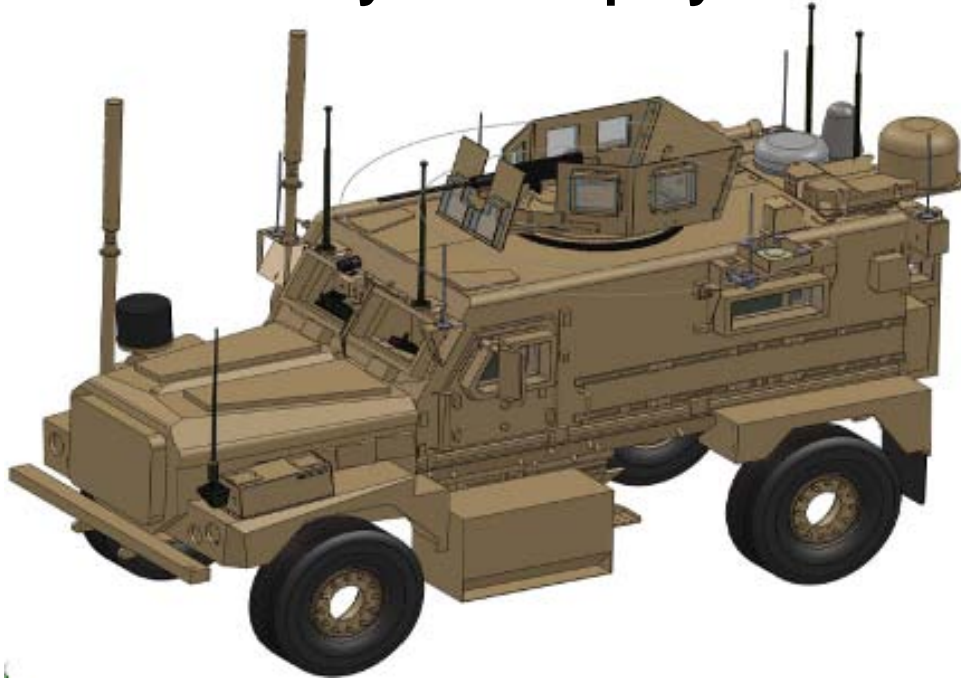
PG 11 FYDP Investments

	FY10	FY11	FY12	FY13	FY14	FY15	
Radar Systems	RDT&E PMC	\$17.3M \$10.1M	\$23.7M \$5.7M	\$34.1M \$11.4M	\$31.6M \$43.6M	\$8.0M \$30.6M	\$8.6M \$31.6M
		TPS-59 DPG Refresh 		Exc-Rcvr, Mode 5, Pwr Cab Refresh			
		FTAS – LCMR, TPS, TPQ-46 Fielding & Sustainment					
MAGTF C2 Systems	RDT&E PMC	\$39.5M \$110.3M	\$45.7M \$194.3M	\$51.4M \$48.3M	\$58.9M \$103.0M	\$60.5M \$102.0M	\$49.1M \$65.2M
		COC Model F 		COC CAPSET I		C2 Airborne	
		JTCW/GCCS/TCO 			JC2 		
		MRC 	BFT – JCR 	JBC-P 	JCTI 		
Air Defense Weapons Systems	RDT&E PMC	\$37.5M \$95.9M	\$39.0M \$96.0M	\$32.4M \$58.4M	\$35.4M \$88.1M	\$19.1M \$78.4M	\$17.3M \$80.6M
		Raven B SURSS 		Group 3 UAS 			
		A-MANPADS INC 1 		Weapon Replacement 			
		CTN Fielding & Sustainment 					



Mobile Modular Command and Control

First System Deployed Six Months After Receipt of Funding



- High bandwidth on-the-move SATCOM (Ku-band) for extremely robust digital data and Voice-Over-IP communications
- Staff kits: Twelve CF19 Toughbook laptops with full COC tactical software load; connected to M2C2 vehicle and each other by secure wireless LAN (SECNET 11), minimum 500 meter range; TOCNET intercom provides full access to all radios and freqs.
- Full suite of tactical radios: PRC-117F, EPLRS, PRC-150, PRC-152
- Three network enclaves: SIPR, NIPR and Coalition/Mission Secret
- The M2C2 Cat 1 Cougar vehicle retains Blue Force Tracker and counter-IED in its suite of equipment.
- Twelve months of sustainment in-theater including field engineers, spare and repair parts, training, help desk, documentation.
- Systems two and three will be delivered to theater in August 2010.



Mobile Tactical Air Operations Module AN/TSQ-269

- Description: The MTAOM provides an expeditionary transportable Air Command and Control system. The MTAOM is based on the TAOM equipment. It is housed in a S-788/G shelter mounted on a M1152 A1 High Mobility Multipurpose Wheeled Vehicle (HMMWV). Power and ECU are provided by the Integrated Trailer ECU and Generator (ITEG) system. When connected with radar and the AN/MRQ-12(V)4 Communication Interface System the MTAOM provides the capabilities to operate as an Early Warning/Control center.
- Tactical Data Link Capabilities:
 - TDL A
 - TDL B
 - TDL J
 - ATDL-1
 - NATO Link 1
 - JREAP A
 - JREAP B
 - JREAP C
- Communication Assets:
 - 2 AN/VRC-103 radios
 - 1 AN/GRC-171(V)B4 radio
 - 1 AN/USQ-140(V)11 MIDS radio
 - 1 1000Kw HF radio
- Fielding: Starts 4th quarter FY10



Family of Target Acquisition Systems

- **AN/TPQ-46 Firefinder Radar**
 - Upgraded Armored Vehicles (M1152A1 w B2 and M1151A1 w B1)
 - Procure and field additional systems to meet CMC 202k AAO
 - Procure and field additional systems to meet Reset the Force Initiative
 - EPLRS Radio capability (Dual digital network)
 - Procured Maintenance Tactical Mobile Forward 7187 to enhance RAM
- **AN/TPQ-48 Lightweight Counter Mortar Radar**
 - Plan, Provision, and Source Equipment Density Lists (EDL) for OIF and OEF (32 systems)
 - Pursuing V2 upgrades that enhance performance
 - Provided in-country and on site training to deploying units
- **AN/TSQ-267 Target Processing Set**
 - Standardize Target Processing Center (TPC) equipment layout
 - Provides a platform for the standardization of TPC Tactics, Techniques, and Procedures (TTPs)



Many Challenges Remain:

- Net-centricity, the Service-Oriented Environment and the Transition to JC2
- USMC / USA JROC-directed Convergence
- Combat ID
- Integrating New C2 Technologies to Improve Existing Capabilities
- Footprint Reduction
- Green Initiatives
- Sustaining Today's Systems Until Tomorrow's Systems Arrive
- Reducing Time to Fuse Multi-level Data at and from the Aviation Combat Element (ACE), Ground Combat Element (GCE), Command Element (CE), and Logistics Combat Element (LCE)



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