

MAGTF COMMAND AND CONTROL, WEAPONS AND SENSORS DEVELOPMENT AND INTEGRATION (MC2I)

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

Briefing to AFCEA

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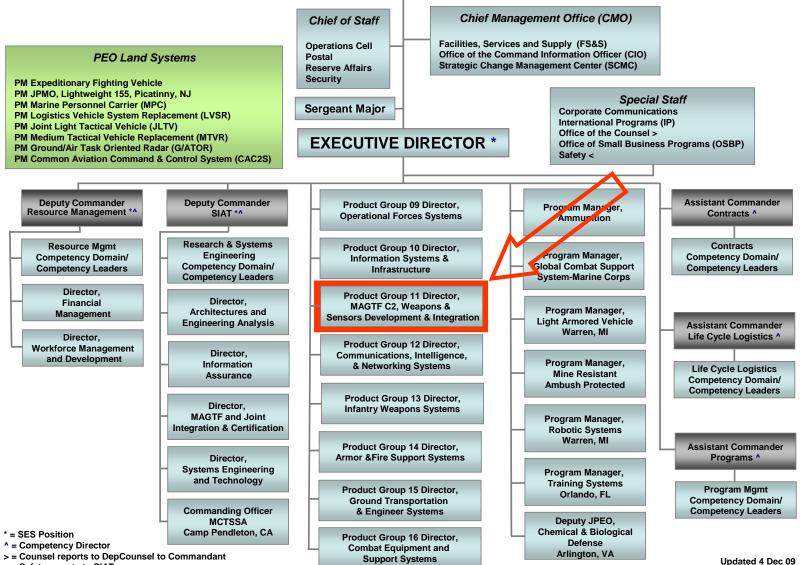


We Acquire and Sustain Radar, Command and Control, and Air Defense Weapons Systems for the Marine Corps Air-Ground Task Force Kill Chain

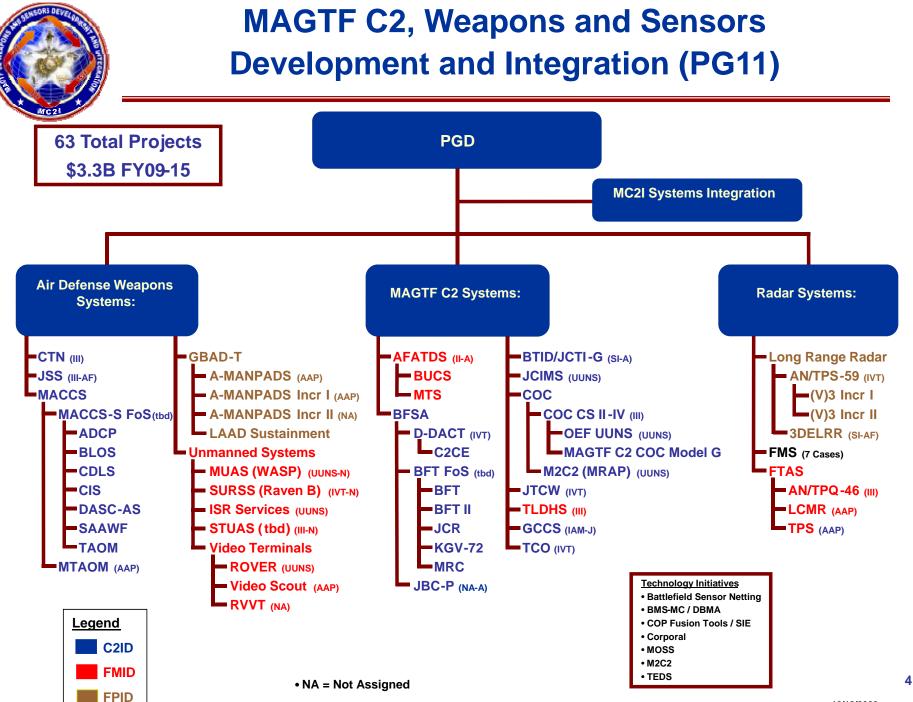


Marine Corps Systems Command

COMMANDER



< = Safety reports to SIAT



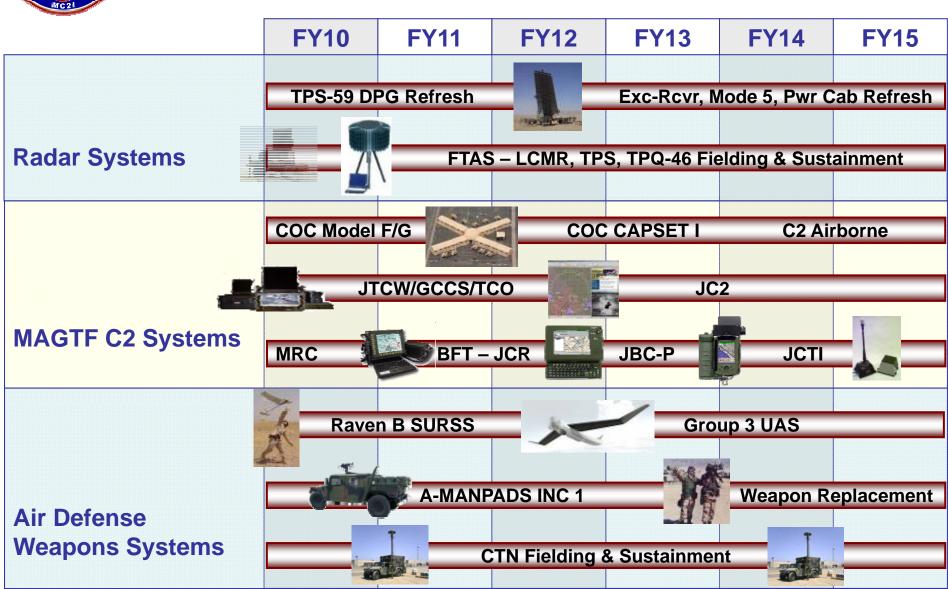


PG 11 Portfolio Characteristics

- Complexity of C2 Programs
 - Multiple Program, Technical, and Organizational Interdependencies
 - Significant Integration Effort
 - Interoperability and IA Required for ~80% of PG 11 Programs
 - Software Intensive
 - Significant Maintenance Effort
- Joint/Other Service Programs
 - ~ ~50% of PG 11 Programs
 - Significant Interaction and Partnering
 - SOA Mandates



MC2I FYDP Investments





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

• <u>Description</u>: 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:

- TDLA
- TDL B
- TDL J
- ATDL-1
- NATO Link 1
- JREAP A
- JREAP B
- JREAP C
- <u>Communication Assets</u>:
 - 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)







Questions?