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
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)
  - AN/TPQ-46 (III)
  - LCMR (AAP)
- FTAS
- 3DELRR (SI-AF)
- FMS (7 Cases)

Legend
- C2ID
- FMID
- FPID

- NA = Not Assigned

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

3/17/2010
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
## Advanced Planning Briefing to Industry
### PG 11 FYDP Investments

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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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PG 11 Portfolio

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