

**Communications,  
Intelligence and  
Networking Systems  
Product Group 12**



**Overview**

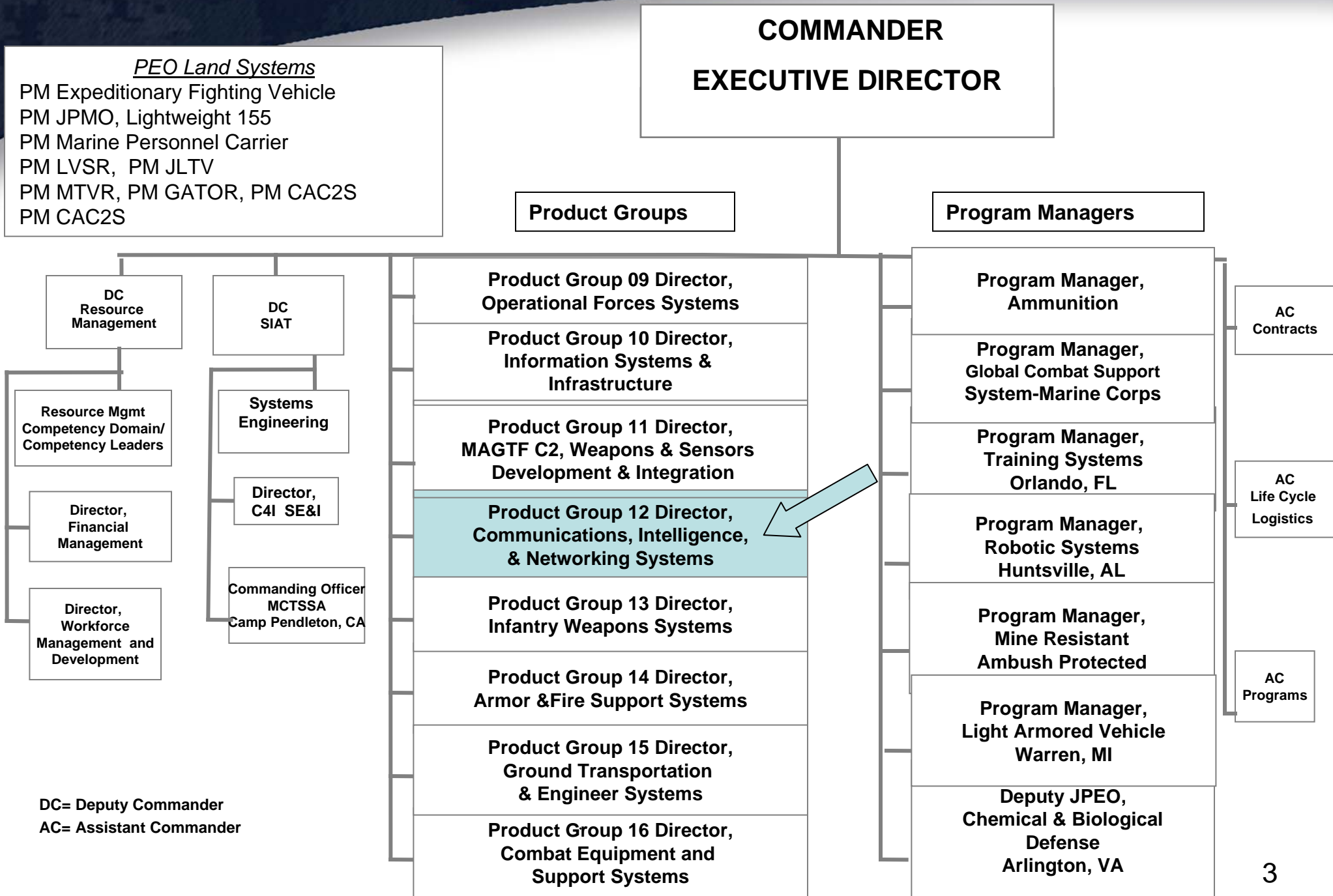
**Mr. Gregory Pardo**  
**Acting Product Group Director**  
13-14 May 2008





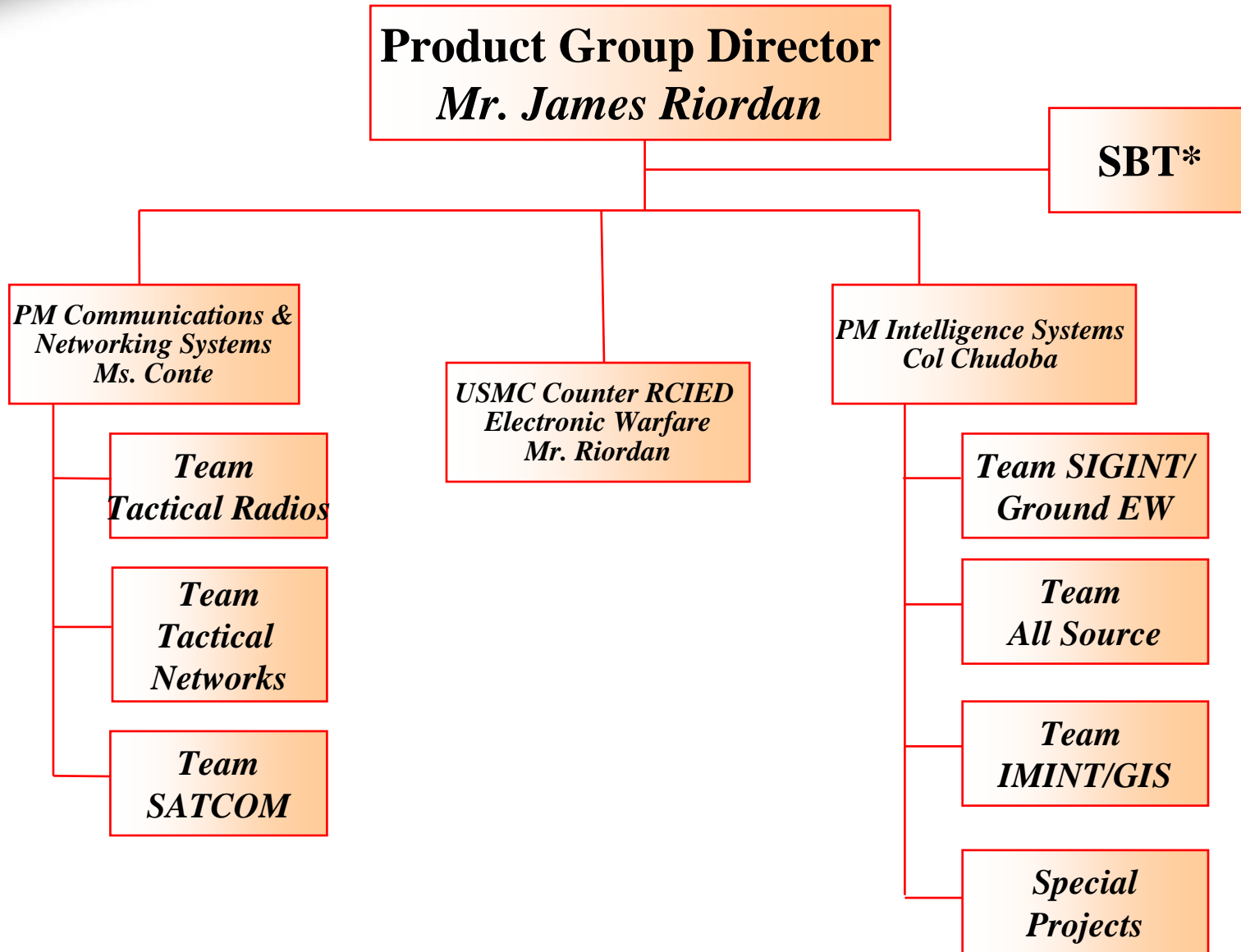
## Focus

**To provide world class communications, intelligence and networking systems and equipment to the Operating Forces that meet their requirements and expectations while providing the best value to the American taxpayers**





# Organization



\* Strategic Business Team



## Product Group Principals

**PM CNS:** Ms. Theresa Conte

**PM INTEL:** Col Phillip Chudoba

**PM CREW:** Mr. James Riordan

## Strategic Business Team (SBT)

Lead Business Manager: Mr. Gregory Pardo

Lead Contracts Manager: Mr. Stephen Riffe

Lead Financial Manager: Mr. James McGregor

Lead Logistician: Mr. George Seargeant

Lead Engineer: Mr. Charles Zintner

Lead Technologist: Dr. Paul Muessig

Technical Director: Ms. Cecilia Hall



EQUIPPING THE WARFIGHTER TO WIN

		FY08	FY09	FY10	FY11	FY12	FY13
<b>PM CNS</b>	RDT&E	\$10.6M	\$14.5M	\$7.7M	\$6.7M	\$4.7M	\$4.8M
	PMC	\$270.1M	\$136.5M	\$207.9M	\$86.9M	\$24.5M	\$8.5M
	CONDOR (C2 on the Move Capability)			HC3 (High Capacity Comm Capability)			
	ECCS / DTC / LMST/ TCM / TDN / TSM PROCUREMENT & SUSTAINMENT						
<b>PM INTEL</b>	RDT&E	\$16.6M	\$19.1M	\$26.7M	\$27.1M	\$23.8M	\$25.6M
	PMC	\$531.2M	\$49.8M	\$68.8M	\$89.8M	\$54.5M	\$55.4M
	INTEL SYSTEM'S UPGRADES			MIGRATION TO DCGS			
	GBOSS / INTEL SYSTEMS PROCUREMENT & SUSTAINMENT						
<b>PM USMC CREW</b>	RDT&E	\$8.6M	\$7.6M	\$8.2M	\$8.9M	\$9.6M	\$10.0M
	PMC	\$183.2M	\$12.9M	\$13.8M	\$13.6M	\$12.7M	\$12.6M
	CREW 2.0 Waveform Development			CREW Upgrades			
	CREW PROCUREMENT & SUSTAINMENT						



## Summary

- **Our business requires partnerships**
- **We need your solutions, ideas, and expertise to accomplish our mission**
- **Now ---**
  - **Ms. Theresa Conte, PM Communications and Networking Systems**
  - **Col Phillip Chudoba, PM Intelligence Systems**



# Ms. Theresa Conte Program Manager

## Communications and Networking Systems







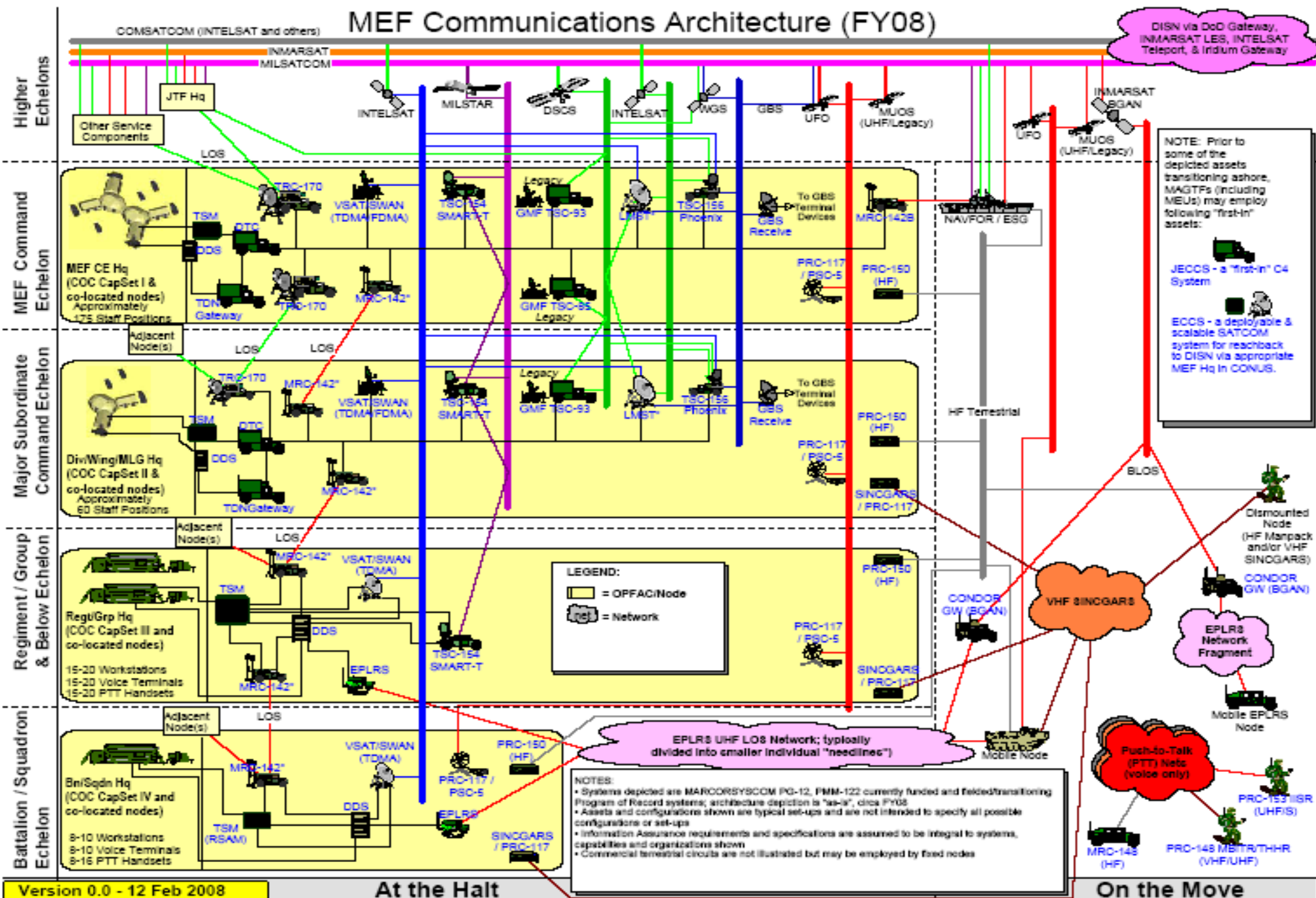
## Mission / Focus

- Lead the Marine Corps' development and acquisition of:
  - Tactical networking and switching equipment
  - Tactical radio and wireless broadband equipment
  - Satellite ground communication systems
  - Cryptographic equipment
- Telecommunications technology
- Focus on the delivery of “capability sets”



### EQUIPPING THE WARFIGHTER TO WIN

## MEF Communications Architecture (FY08)





## Core Programs

### Team Tactical Networks

- Transition Switch Module
- Tactical Data Network (TDN)
- Joint Enhanced Core Communications System (JECCS)
- Systems Planning Engineering and Evaluation Device (SPEED)
- Joint Network Management System (JNMS)

### Team SATCOM

- Lightweight Multiband Satellite Terminal (LMST)
- Phoenix
- Secure Mobile Anti-jam Reliable Tactical Terminal (SMART-T)
- Global Broadcast System
- Support Wide Area Network (SWAN)

### Team Tactical Radios

- Joint Tactical Radio System (JTRS)
- Tactical Hand-Held Radio (PRC-148/PRC-152)
- Multi-Band Multi-Mission Radio (PRC-117F)
- Enhanced Position Location Reporting System (EPLRS)
- Enterprise Land Mobile Radio (E-LMR)



## Near Term Contracting Efforts

### **FY08**

- CONDOR Gateway
- Enterprise Land Mobile Radio
- Troposcatter Antennas

### **FY09**

- ECCS

### **FY10**

- Network Optimization Devices



## Technology – Areas of Interest

- **Short Term (now to 2 years)**
  - Comms and Networking in “Challenged” Environments
  - Dynamic Spectrum Management And Optimization Tools
  - Dynamic Network Management And Optimization Tools
  - Dynamic Tactical Networking (MANET)
  - Antennas (especially SATCOM OTM)
- **Long Term (beyond 2 years)**
  - Novel SATCOM Capabilities (e.g., using HHRs)
  - Comms without Space Capabilities

***\* THIS IS NOT AN RFI \****



**Col Phillip Chudoba**  
**Program Manager**

**Intelligence Systems**





## Mission / Focus

Deliver *integrated and interoperable* intelligence capabilities to Marine Corps Operating Forces to support our *warfighting mission*.

- **Near term**
  - *Integration efforts* across ISR capabilities
  - Building foundation for *transition to MCISR-E*
- **Mid Term** - Leverage DCGS to *fully transition designated capabilities* into MCISR-E
- **Long Term** - Continue *systems transformation*

## USMC SOA



### P-ISR

Planning, Direction,  
Observation, and Collection

### DCGS-MC

Processing, Exploitation,  
Analysis, and Production



### Actionable Intelligence

Dissemination, Utilization,  
Evaluation, and Feedback



## Core Programs

### Team Signals Intelligence

- Technical Control Analysis Center (TCAC)
- Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES)
- Mobile Electronic Warfare Support System (MEWSS)
- Communication Emitter Sensing and Attacking System (CESAS)
- Team Portable Collection System (TPCS)
- Trojan SPIRIT
- Radio Reconnaissance Equipment Program (RREP)

### Team Imagery Intelligence

- MAGTF Secondary Imagery Dissemination System (MSIDS)
- Joint Surveillance Target Attack Radar System (JSTARS)
- Tactical Exploitation Group (TEG)
- Topographic Production Capability (TPC)

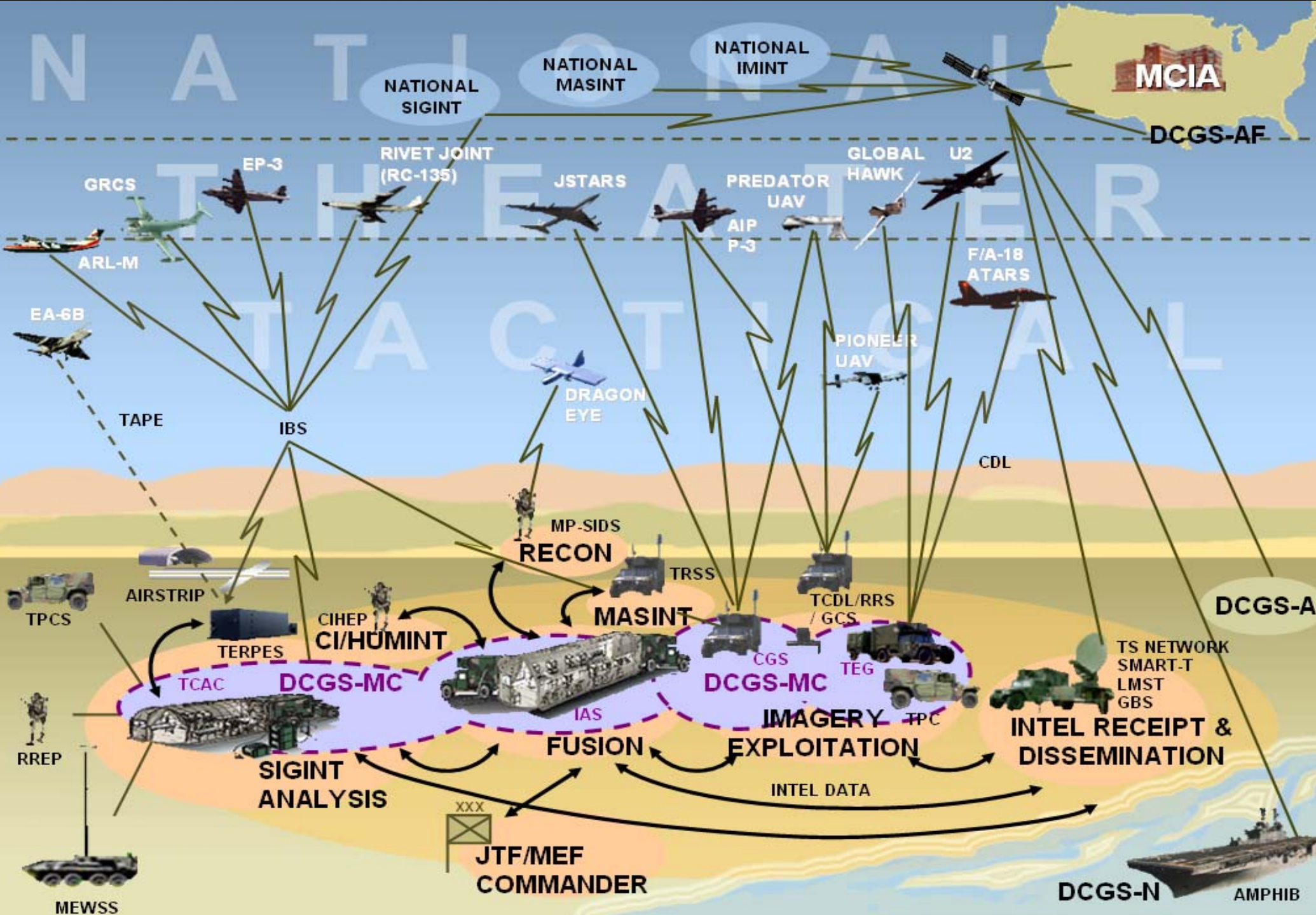
### Team All Source

- Tactical Remote Sensor Systems (TRSS)
- Intelligence Broadcast Receiver (IBR)
- Intelligence Analysis System Family of Systems
- Counterintelligence and Human Intelligence Equipment Program CIHEP)
- Technical Surveillance Countermeasures (TSCM) Suite





### EQUIPPING THE WARFIGHTER TO WIN





## Near Term Contracting Efforts

### **FY08**

- **Technical Surveillance Set Equipment (TSCM)**
- **Biometric Systems Administrators (BATS)**
- **System sustainment & improvements (TPC)**
- **Radio Reconnaissance Equipment (RREP)**

### **FY09**

- **Common Sensor Radio Integration (TRSS)**
  - **Advanced Seismic Acoustic Sensor (ASAS)**
- **Remote Workstation Refresh (TEG)**
- **ELINT Processing software (TCAC)**

### **FY10**

- **Urban Sensor Set Research & Development Items (TRSS)**
- **System sustainment & improvements (TCAC)**



## Technology – Areas of Interest

- **Short Term (now to 2 years)**
  - Data Storage (especially video compression)
  - Data Processing
  - Multi-Sensor Fusion and Correlation (high  $P_d$ , low  $P_{fa}$ )
  - Concealed Camera Networks
- **Long Term (beyond 2 years)**
  - Unattended Ground Sensors
  - Persistent Surveillance

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# Questions