# 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

#### MARINE GORPS SYSTEMS GOMMAND

#### Where we are located!



#### EQUIPPING THE WARFIGHTER TO WIN

DC

SIAT

**Systems** 

**Engineering** 

Director.

C4I SE&I

Commanding Officer

**MCTSSA** 

Camp Pendleton, CA

#### PEO Land Systems

PM Expeditionary Fighting Vehicle PM JPMO, Lightweight 155 PM Marine Personnel Carrier PM LVSR, PM JLTV PM MTVR, PM GATOR, PM CAC2S PM CAC2S

DC

Resource

**Resource Mamt** 

Competency Domain/

**Competency Leaders** 

Director,

**Financial** 

Management

Director,

Workforce

Management and Development

Management

## COMMANDER EXECUTIVE DIRECTOR

#### **Product Groups**

Product Group 09 Director, Operational Forces Systems

Product Group 10 Director, Information Systems & Infrastructure

Product Group 11 Director, MAGTF C2, Weapons & Sensors Development & Integration

Product Group 12 Director, Communications, Intelligence, & Networking Systems

**Product Group 13 Director, Infantry Weapons Systems** 

Product Group 14 Director, Armor &Fire Support Systems

Product Group 15 Director, Ground Transportation & Engineer Systems

Product Group 16 Director, Combat Equipment and Support Systems

#### Program Managers

Program Manager, Ammunition

Program Manager, Global Combat Support System-Marine Corps

Program Manager, Training Systems Orlando. FL

Program Manager, Robotic Systems Huntsville, AL

Program Manager, Mine Resistant Ambush Protected

Program Manager, Light Armored Vehicle Warren, MI

Deputy JPEO, Chemical & Biological Defense Arlington, VA AC Contracts

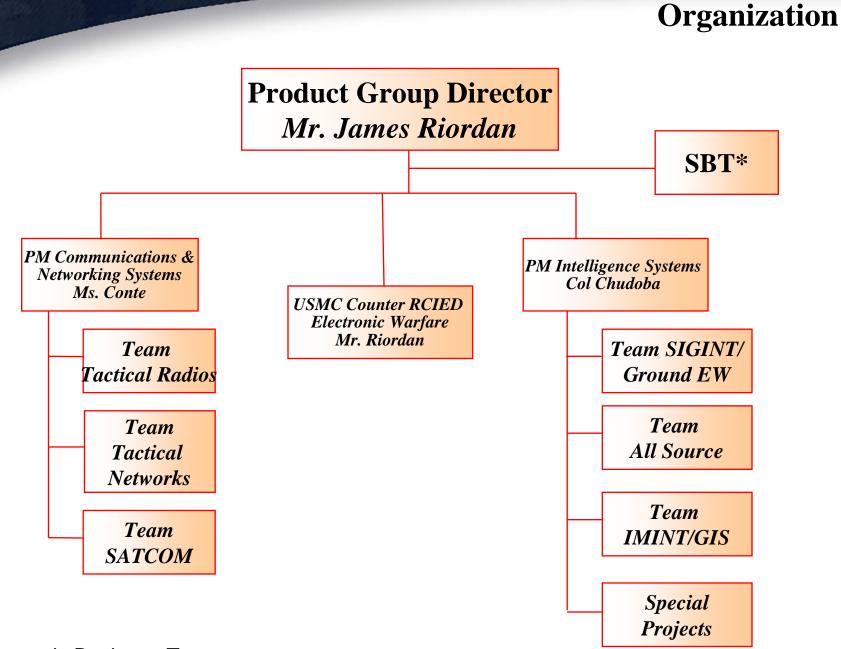
AC Life Cycle Logistics

AC Programs

DC= Deputy Commander AC= Assistant Commander

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#### **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

#### MARINE GORPS SYSTEMS GOMMAND

#### **PG12 FYDP Investments**



		FY08	FY09	FY10	FY11	FY12	FY13
	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
PM CNS		CONDOR (C2 on the Move Capability) HC3 (High Capacity Comm Capability)					
I III OIG		ECCS/I	OTC / LMST/ TO	CM/TDN/TSM	M PROCUREM	ENT & SUSTA	INMENT
PM INTEL	RDT&E	\$16.6M	\$19.1M	\$26.7M	\$27.1M	\$23.8M	\$25.6M
	PMC	\$531.2M	\$49.8 <b>M</b>	\$68.8M	\$89.8M	\$54.5M	\$55.4M
		INTEL SYSTEM'S UPGRADES			MIGRATION TO DCGS		
		GBOSS / INTEL SYSTEMS PROCUREMENT & SUSTAINMENT					
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	RDT&E	\$8.6M	\$7.6M	\$8.2M	\$8.9M	\$9.6M	\$10.0M
PMC PM USMC CREW		\$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



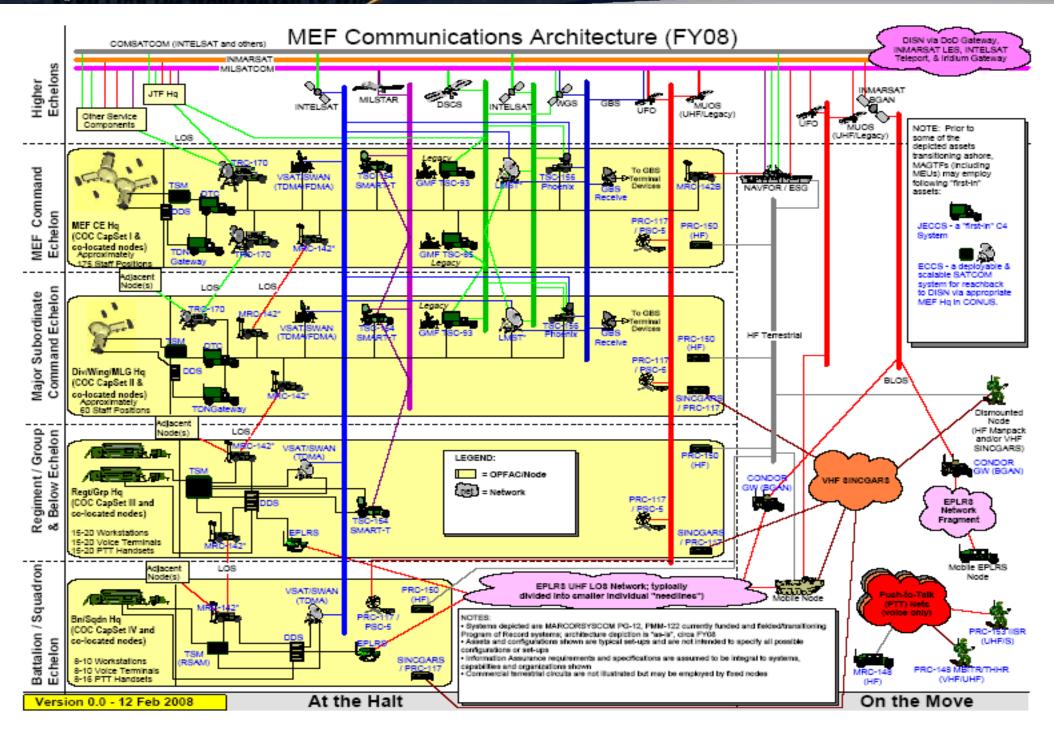




#### **Mission / Focus**

- 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"

# ACQUISITION ACQUISITION





#### **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



## 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)

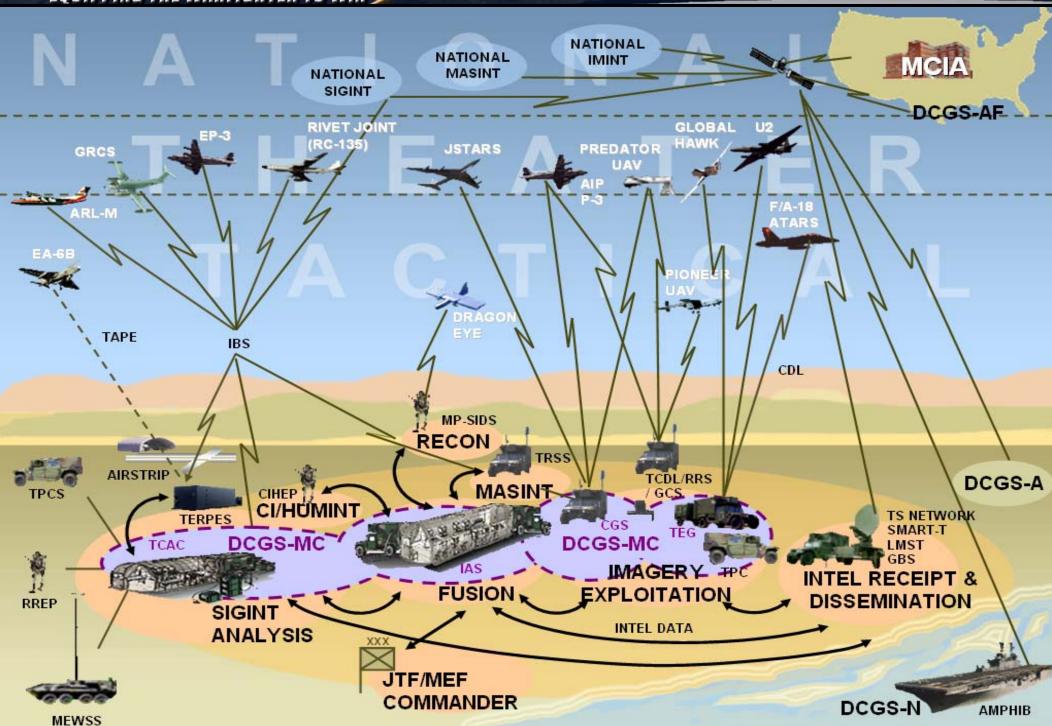
#### **Team Imagery Intelligence**

- 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







#### **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<sub>d</sub>, low P<sub>fa</sub>)
- Concealed Camera Networks

#### Long Term (beyond 2 years)

- Unattended Ground Sensors
- Persistent Surveillance



## Questions