Col Peter C. Reddy USMC
Director, Product Group 11

Product Group 11
MAGTF C2, Weapons and Sensors
Development and Integration
MC2I
Marine Corps Systems Command

Marine Corps Systems Command

Small Business Conference

MAGTF C2, Weapons and Sensors Development and Integration (MC2I)

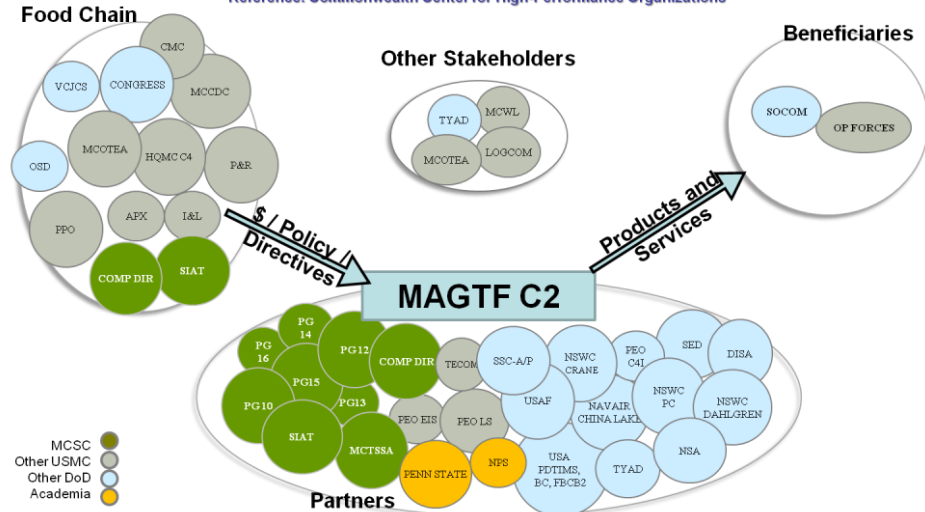**PG 11 Portfolio Overview**

14 December 2011

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MISSION

We Acquire, Integrate and Sustain Sensors, Command and Control, and Air Defense Weapons Systems to Enable the Marine Air-Ground Task Force to Accomplish Its Mission
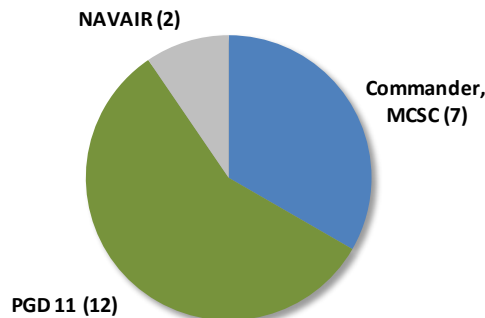
Strategic Stakeholder Value Analysis
Reference: Commonwealth Center for High-Performance Organizations

Program ACAT Designations

- IAM (1)
- IC (2)
- II (1)
- III (6)
- IVT (4)
- AAP (7)
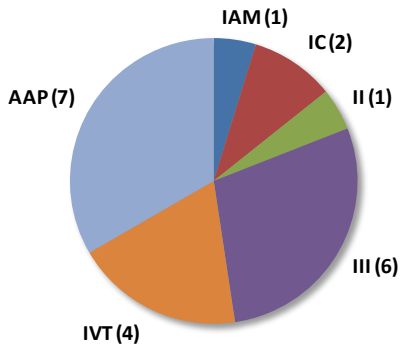
USMC Decision Authority

- NAVAIR (2)
- Commander, MCSC (7)
- PGD 11 (12)

**21 Designated Programs
69 Total Projects**

Recent Accomplishments

- AN/TPS-59A(V)3 Fielding Decision
- Provided ISR Services for OEF
- Video Scout-MC/2 upgrade fielded to OEF
- CTN Fielding Decision; first units fielded to MACS-2
- Support to deployed AN/TPS-59(V)3 in OEF since 1Q FY 10
- Transfer of TPS-63 from PG 09 to PG 11
- Target Processing Set (TPS) Fielding Decision
- GBAD OTM Technology Initiative Funded by ONR
- M2C2 Units 2 and 3 Fielded to OEF
- Group 3 / STUAS Development Contract Awarded
- Provided in-theater Raven-B training
- MRQ-12(v)4 CIS Fielded

Air Defense Wpns Systems/US: LtCol Ben Stinson	Digital Fires and Situational Awareness: Maj Brian Newbold	MAGTF C2 Systems: LtCol Ty Ferrel (Acting)	Radar Systems: Mr. Reginald Brown
CTN (III)	AFATDS	COC	Long Range Radar
MACCS	TLDHS	MC2SA	AN/TPS-59
GBAD-T	JBC-P FoS	GCCS/TCO	AN/TPS-63
Unmanned Systems	BFT FoS		3DELRR
	JBC-P		FTAS
			AN/TPQ-46
			LCMR
			TPS

Technology Initiatives

- Broadband Meshing Data Link (BMDL)
- Secure Comm Console
- DBMA / BMS-MC
- SIE / Disrupt Tolerant Ntwrk
- Corporal JCTD*
- Battlefield Sensor Netting
- TEDS JCTD

- VSCP
- H2C2
- M2C2 / COBRA3

MAGTF C2 Vision:

Marine Air-Ground Task Force Command and Control (MAGTF C2) enhances lethality and effectiveness across the range of military operations through better decision making and shared understanding.

Complex C2/Sensor/Weapons Programs

- Multiple Program, Technical, and Organizational Interdependencies
- Significant Integration Effort
- Interoperability and Information Assurance Certification Required for ~80% of PG-11 Programs
- Software Intensive
  - Significant Maintenance Effort
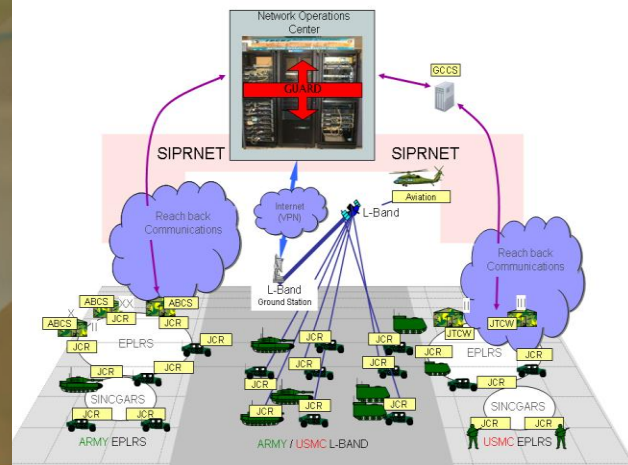
Joint/Other Service Programs

- ~50% of PG-11 Programs
- Significant Interaction and Partnering
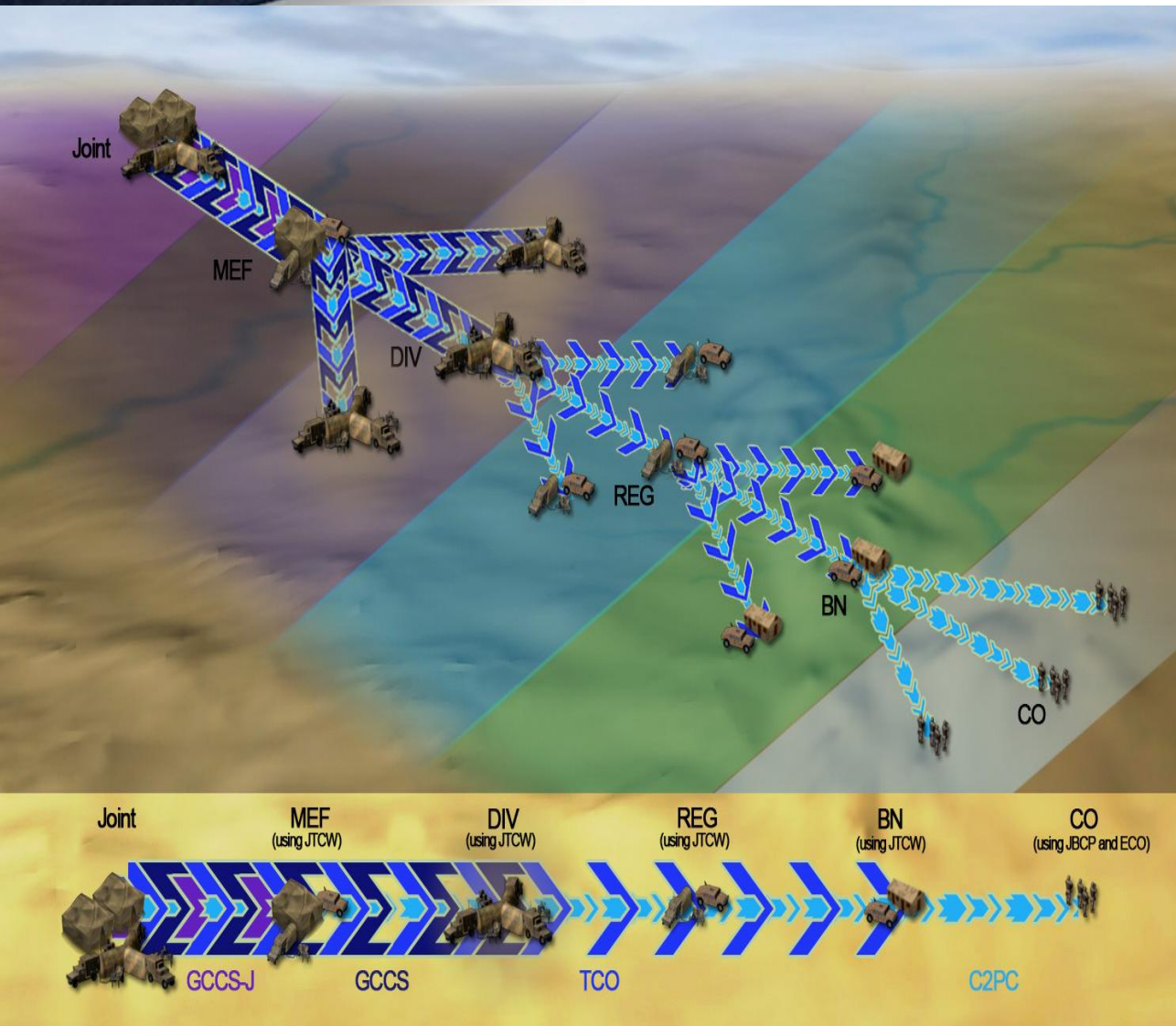
The COP is a two-way feed of information, coming down from the Joint level via GCCS-J, and coming up from the Company level via BFT/JBCP and ECO. At each level, the COP is viewed via C2PC.

COC provides the hardware and equipment for COP software from the MEF to the Battalion.

Representative Air Defense Engagement String

Stinger

Advanced Man-Portable Air Defense System (AMANPADS)

AN/TPS-63B

AN/TPS-59(V)3

Composite Tracking Network (CTN)

CDLS

TAOM

CIS

MTAOM

MACCS

Composite Tracking Network (CTN)

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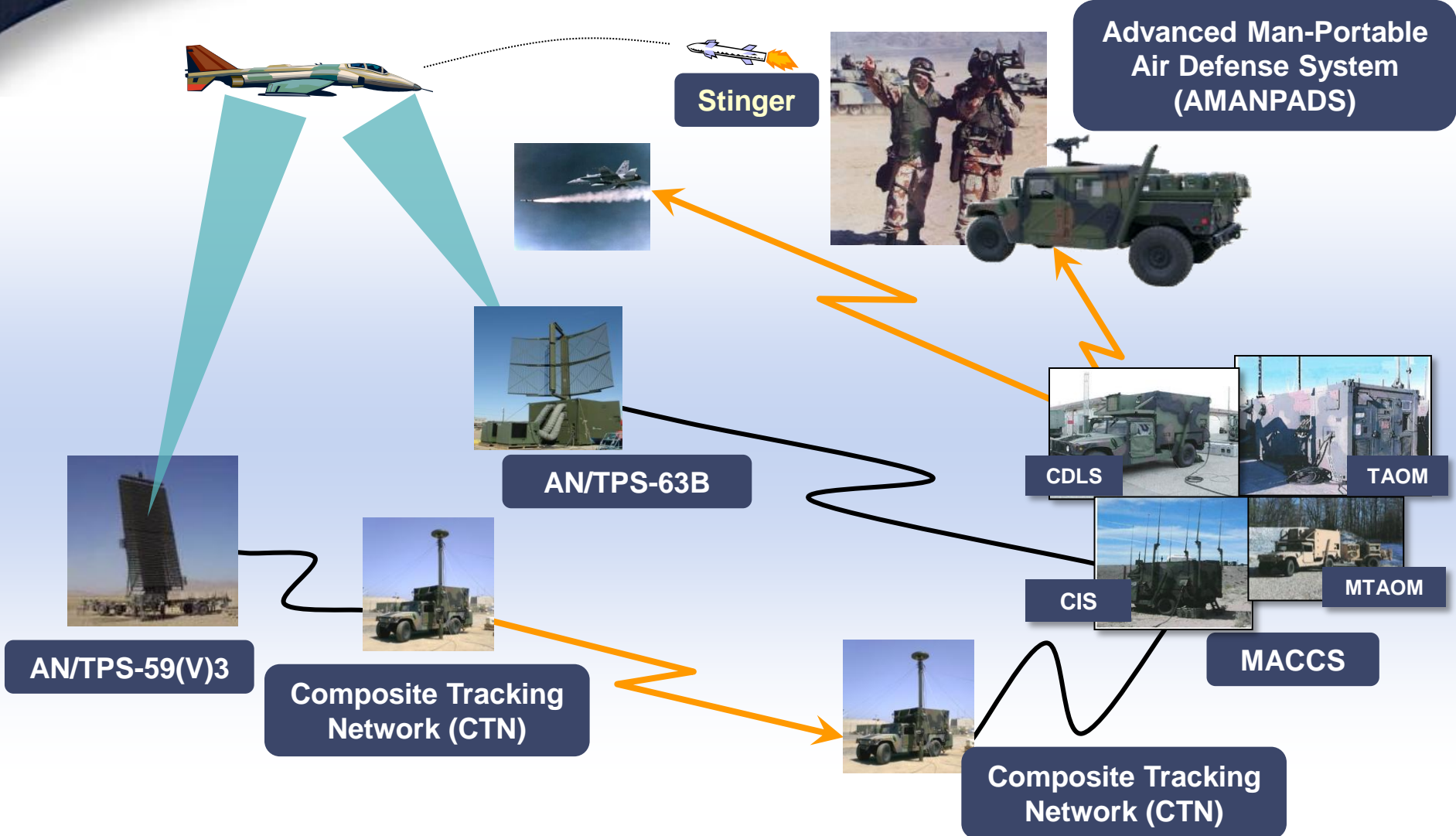
Representative Ground Fires Engagement String

Raven B Small Unit Remote Scouting System

CDLS

TAOM

CIS

MTAOM

TLDHS / VideoScout

MACCS FoS
•TBMCS
• JTCW

AN/TPQ-48

AN/TPQ-46A

Blue Force Tracker (BFT)

Ground C2 Node
• COC   • AFATDS
• TPS   • JTCW
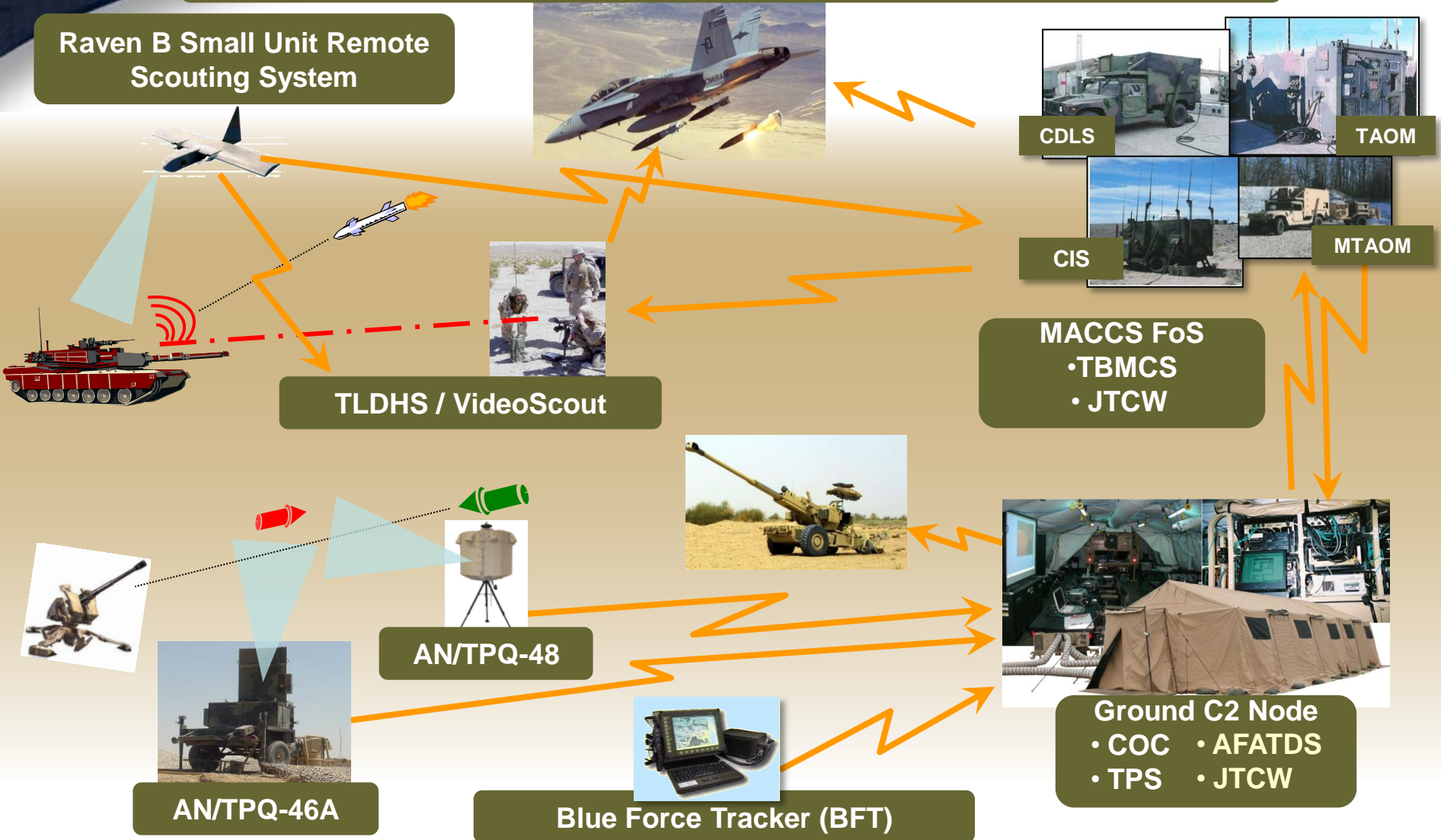
- **Net-centricity, Service-Oriented Environment and Transition to JC2**

- **USMC / USA JROC-directed C2/SA Convergence**

- **Combat ID**

- **Integrating New C2 Technologies to Improve Existing Capabilities**

- **Footprint Reduction / Lighten the MAGTF**
    - **Handheld C2 Capabilities**

- **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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Questions ?

3DELRR	Three Dimensional Expeditionary Long Range Radar
ADCP	Air Defense Communications Platform
ADWS/US	Air Defense Weapons Systems/Unmanned Systems
AFATDS	Advanced Field Artillery Tactical Data System
AMANPADS	Advanced Man-Portable Air Defense Systems
AN/TPS	Army/Navy/Transportable Radar Surveillance
AN/TPQ	Army/Navy/Transportable Radar Special Purpose
BFSA	Blue Force Situational Awareness
BFT/MTX	Blue Force Tracker/Miniature Transmitter
BLOS	Beyond Line of Sight
BUCS	Back-Up Computer System
C2CE SW	Command & Control Compact Edition Software
C2PC	Command & Control Personal Computer
CDLS	Common Data Link System
CID/BTID	Combat ID Device/Battlefield Target ID Device
CIS	Communications Interface System
COC	Combat Operations Center
COC OTM	COC On The Move
CS	Capability Set
CTN	Composite Tracking Network
DACT	Data Automated Communications Terminal
D-DACT	Dismounted Data Automated Communications Terminal
DASC-AS	Direct Air Support Center-Airborne System
FOS	Family of Systems
FMS	Foreign Military Sales
FTAS	Family of Target Acquisition Systems
GBAD-T	Ground Based Air Defense Transformation
GCCS	Global Command and Control System
ISR	Intelligence Surveillance Reconnaissance
JBC-P	Joint Battle Command Platform
JC2	Joint Command and Control
JCIMS	Joint Combat Identification Marking System
JCR	Joint Capability Release
JCTI-G	Joint Cooperative Target Identification - Ground
JSS	Joint Interface Control Officer Support System

JTCW	Joint Tactical Common Operating Picture Workstation
LAAD	Low Altitude Air Defense
LCMR	Lightweight Counter Mortar Radar
M2C2	Mobile Modular Command and Control
MACCS	Marine Air Command & Control System
MACCS-S	Marine Air Command & Control System Sustainment
MAGTF C2 SA	MAGTF C2 Systems and Applications
MC2I	MAGTF Command and Control Weapons & Sensors Development & Integration
MC2S	MAGTF Command and Control Systems
MC2SA	MAGTF C2 Systems and Applications
M-DACT	Mobile Data Automated Communications Terminal
MRC	Mounted Refresh Computer
MTAOM	Mobile Tactical Air Operations Module
MTS	Mobile Tactical Shelter
MUAV	Micro Unmanned Aircraft Vehicle
PG	Product Group
PGD	Product Group Director
PM	Program Manager
PPM	Post Production Modernization
RS	Radar Systems
RVVT	Remote Video Viewing Terminal
SAAWF	Sector Anti-Air Warfare Facility
SOI/SOA	Service Oriented Infrastructure/Service Oriented Architecture
STUAS	Small Tactical Unmanned Aircraft System
SURSS	Small Unit Remote Scouting System
TACC	Tactical Air Command Central
TAOC	Tactical Air Operations Center
TAOM	Tactical Air Operations Module
TCO	Tactical Combat Operations
TEDS	Tactical Edge Data Solutions
TLDHS	Target, Location Designation Hand-off System
TPS	Target Processing Set
UUNS	Urgent Universal Needs Statement
UAS	Unmanned Aircraft Systems

COMMANDER

PEO Land Systems*

PEO Land Systems

PM Advanced Amphibious Assault (AAA)
PM Common Aviation Command & Control System (CAC2S)
PM Ground/Air Task Oriented Radar (G/ATOR)
PM Joint Light Tactical Vehicle (JLTV)
PM JPMO, Lightweight 155, Picatinny, NJ (LW 155)
PM Logistics Vehicle System Replacement (LVSR)
PM Medium Tactical Vehicle Replacement (MTVR)

Chief of Staff

Operations Cell
Postal
Reserve Affairs
Security

Chief Management Office (CMO)

Facilities, Services and Supply (FS&S)
Office of the Command Information Officer (CIO)
Strategic Change Management Center (SCMC)

Sergeant Major

Special Staff

Corporate Communications
International Programs (IP)
Office of the Counsel >
Office of Small Business Programs (OSBP) Safety <

EXECUTIVE DIRECTOR*

Deputy Commander Resource Management *^	Deputy Commander SIAT *^	Product Group 10 Director, Information Systems & Infrastructure	Program Manager, Ammunition	Assistant Commander Contracts ^
Resource Mgmt Competency Domain/ Competency Leaders	Research & Systems Engineering Competency Domain/ Competency Leaders	Product Group 11 Director, MAGTF C2, Weapons & Sensors Development & Integration	Program Manager, Global Combat Support System-Marine Corps	Contracts Competency Domain/ Competency Leaders
Director, Financial Management	Director, Architecture &Cyber Engineering	Product Group 12 Director, Communications, Intelligence, & Networking Systems	Program Manager, Light Armored Vehicle Warren, MI	Assistant Commander Life Cycle Logistics ^
Director, Workforce Management and Development	Director, Energy &CIED Systems	Product Group 13 Director, Infantry Weapons Systems	Program Manager, Mine Resistant Ambush Protected	Life Cycle Logistics Competency Domain/ Competency Leaders
	Director, Systems Engineering and Integration	Product Group 14 Director, Armor &Fire Support Systems	Program Manager, Robotic Systems Warren, MI	Assistant Commander Product Support
	Director, Technology, Test and Specialties	Product Group 15 Director, Ground Transportation & Engineer Systems	Program Manager, Training Systems Orlando, FL	Assistant Commander Programs ^
	Commanding Officer MCTSSA Camp Pendleton, CA	Product Group 16 Director, Combat Equipment and Support Systems	Deputy JPEO, Chemical & Biological Defense Arlington, VA	Program Mgmt Competency Domain/ Competency Leaders

* = SES Position
^ = Competency Director
> = Counsel reports to Dep Counsel to Commandant
< = Safety reports to SIAT