



MARINE CORPS SYSTEMS COMMAND

PROGRAM EXECUTIVE OFFICER LAND SYSTEMS



Advanced Planning Briefing to Industry

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Program Manager
Marine Intelligence
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MARINE CORPS SYSTEMS COMMAND PROGRAM EXECUTIVE OFFICER LAND SYSTEMS



Program Manager Marine Intelligence (PMMI)

PMMI Portfolio: Serve as the Commandant's agent for the Marine Corps' effort in the research and development, acquisition and sustainment of cutting edge tactical intelligence collection, processing and dissemination equipment as well as ground Electronic Warfare (EW) systems.

Schedule: Portfolio management is an ongoing activity. Our emphasis over next 3 years will be reset/reconstitution and reinvestment in expeditionary operations and the expeditionary mindset.

Innovation Focused Areas: Modular, scalable intelligence capabilities to include smaller, more advanced sensors that use less energy and have greater reliability. The ability to process data, fuse intelligence, and to securely disseminate it faster across wider joint and coalition networks.

Commandant of the Marine Corps

Assistant Secretary of the Navy
Research, Development & Acquisition

MARCORSYSCOM

PEO
EIS

PEO
Land Systems

Staff

JPO MRAP
Mine Resistant
Ambush Protected

Staff

Staff

Deputy Commander
Resource Management

PM AMMO
Ammunition

PM ISI
Information Systems and
Infrastructure

PM NEN
Naval Enterprise
Networks

PM AAA
Advanced Amphibious
Assault

Deputy Commander
SIAT

PM LAV
Light Armored Vehicle
Warren, MI

PM MC3
MAGTF Command, Control,
and Communications

PM EIS
Enterprise IT Services

Amphibious Assault
Vehicle

Commanding Officer
MCTSSA
Camp Pendleton, CA

PM TRASYS
Training Systems
Orlando, FL

PM IWS
Infantry Weapons Systems

PM GCSS-MC
Global Combat Support
System-Marine Corps

Amphibious Combat
Vehicle

Assistant Commander
Contracts

PM Marine INTEL
Marine Intelligence

PM AFSS
Armor and Fire
Support Systems

PM CAC2S
Common Aviation Command
& Control System

Assistant Commander
Acquisition Logistics/
Product Support

DCGS-MC

P-ISR

PM CSS
Combat Support Systems

PM GATOR
Ground/Air Task Oriented
Radar

Assistant Commander
Programs

Assistant Secretary of the Army
Research, Development & Acquisition

PEO
Ground Systems

JPEO
Chem/Bio Defense

PM RS
Robotic Systems
Warren, MI

PM
Protection

PM JLTV
Joint Light Tactical
Vehicle

PM LW155
Lightweight 155
Picatinny, NJ

PM LVS
Logistics Vehicle System
Replacement

PM MTRV
Medium Tactical Vehicle
Replacement



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HQMC Intel Dept

Functional Proponent



CD&I IID

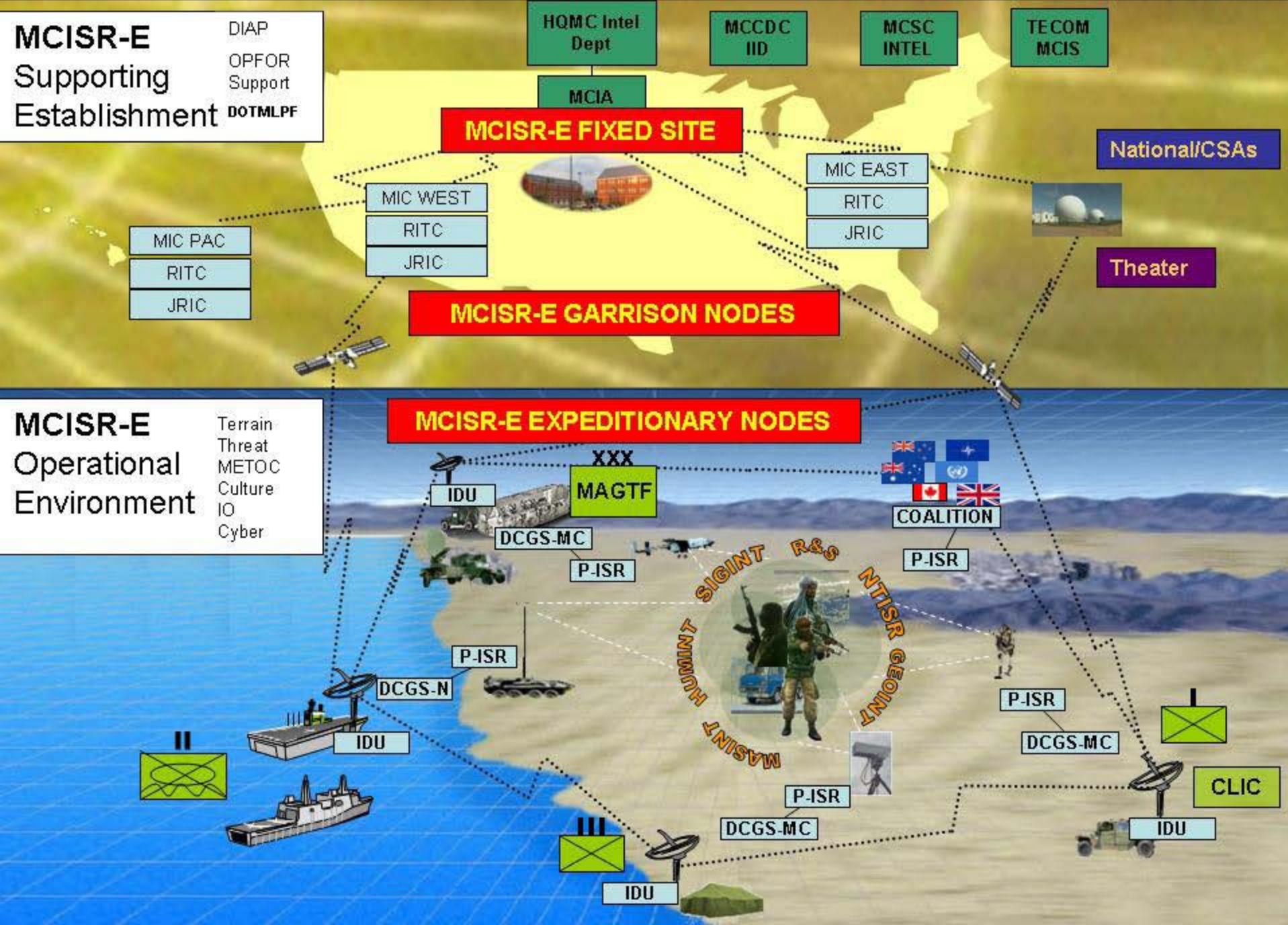
Requirements Sponsor



PMMI

Equip & Sustain

MCISR-E High-Level Operational Concept Graphic (OV-1)





MARINE CORPS SYSTEMS COMMAND PROGRAM EXECUTIVE OFFICER LAND SYSTEMS



FYDP Investments	FY12	FY13	FY14	FY15	FY16	FY17
RDT&E PMC	\$1.2M \$0.5M	\$2.4M \$10.2M	\$5.8M \$24.6M	\$7.6M \$23.8M	\$2.2M \$37.5M	\$1.1M \$42.3M
PERSISTENT -INTELLIGENCE SURVEILLANCE AND RECONNAISSANCE	GROUND ELECTRONIC ATTACK					
	UNATTENDED GROUND SENSORS					
	MANPACKABLE SIGINT COLLECTIONS					
	TEAM PORTABLE SIGINT COLLECTIONS					
	GROUND RECONNAISSANCE IMAGERY					
	URGENT UNIVERSAL NEEDS STATEMENTS					
RDT&E PMC	\$29.7M \$30.7M	\$33.0M \$20.9M	\$27.0M \$58.9M	\$22.2M \$48.1M	\$11.2M \$26.7M	\$11.8M \$27.0M
DISTRIBUTED COMMON GROUND SYSTEM -MARINE CORPS	GEOSPATIAL INTELLIGENCE ANALYSIS					
	ALL SOURCE INTELLIGENCE ANALYSIS					
	SIGNALS INTELLIGENCE ANALYSIS					
	GROUND MOVING TARGET INDICATOR ANALYSIS					



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PMMI Technology Areas of Interest

- Identification and dissemination of time critical information
- Affordable/adaptable cross domain solutions
- Multi-level information security/assurance
- Advanced Data Analytics (video, imagery, structured/unstructured text)
- Human Terrain Mapping (HUMINT, cultural, social collection capabilities)
- Advanced sensor technologies
- Semantic enrichment & tagging of organic USMC sensor data
- Implementation of OGC web service standards for organic USMC sensors
- Reduced energy consumption for tactical electronics
- Solutions for protecting COTS products during expeditionary deployment



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Rapid Innovation Fund (RIF)

Validation and transition of technologies developed by small businesses which:

- Enhance and accelerate delivery of military capability
- Reduce the cost of weapons systems either fielded or under development
- Improve the quality of life for service personnel

Preference for proposals which meet urgent operational or national security needs

Seeking capabilities which:

- Can be completed within two years and fielded within three years
- Require less than \$3M over two years
- Have solid program office support

FY12 BAA to be issued in early July 2012 on FEDBIZOPS (<https://www.fbo.gov>)

Engage with Program Office NOW if you have a proposal idea!



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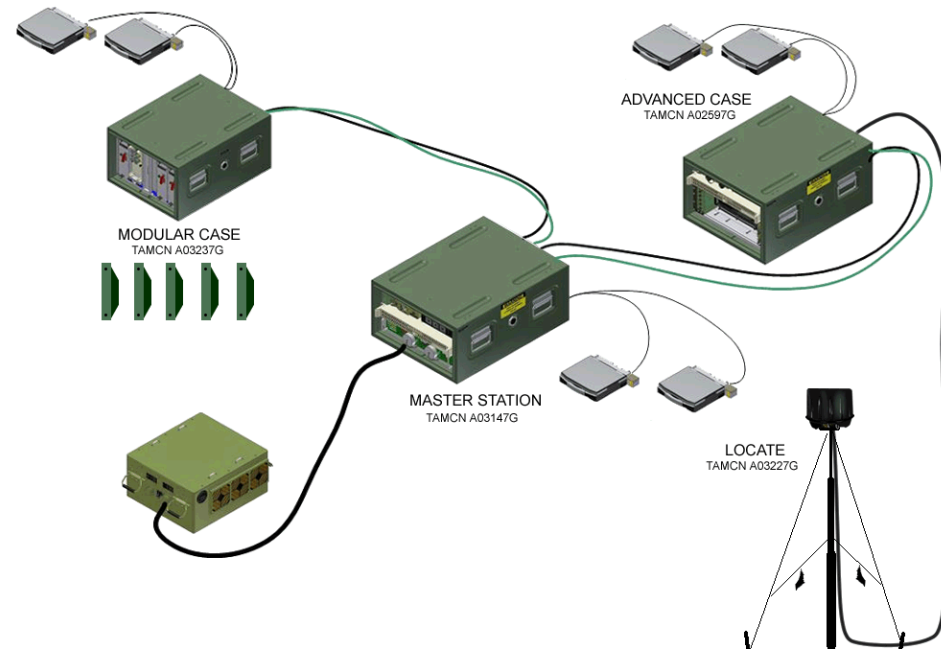
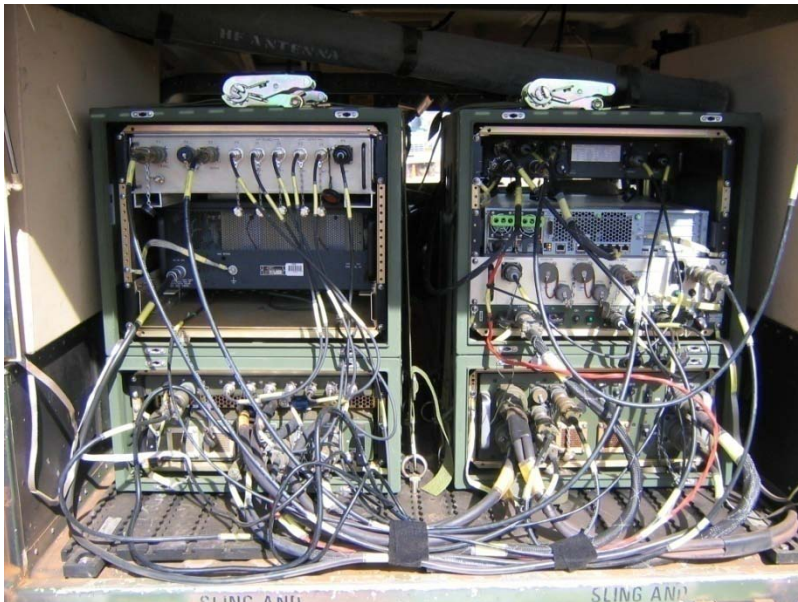
PMMI Modular Design Initiatives

Current TPCS System

- “All or Nothing” system design
- Vehicle mounted

TPCS Mods

- “Plug & Play” system design
- Components can be task organized to specific mission profile





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TPCS Metrics

MISSION CONFIGURATION	CURRENT SYSTEM WEIGHT(Block 0)	TPCS MODS WEIGHT
Foot Mounted Survey	Not a Requirement	18 LBS
Foot Mounted Collect	Not a Requirement	28 LBS
Vehicle Mounted Survey	Mission Incapable	168 LBS
Vehicle Mounted Collect	Mission Incapable	178 LBS
Vehicle Mounted Locate	Mission Incapable	188 LBS
Static Collect	1290 LBS	562 LBS
Static Locate	1290 LBS	562 LBS
I MEF	25,800 LBS	25,120 LBS
II MEF	28,380 LBS	25,120 LBS
III MEF	18,060 LBS	14,720 LBS
Total:	72,240 LBS	64,960 LBS



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Manpack Electronic Attack Modernization

**Currently Fielded System
(MJ-08)**



Weight: 54 lbs

**Planned modernization
(Thor III EA)**



Weight: 20 lbs



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Other "Biggest Loser" Designs

From:



From:



From:



To:



To:



To:



Savings: ~ 120 lbs

Savings: ~ 399 lbs

Savings: TBD



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Expeditionary Mission Benefits

- **REDUCED** pack out and embarkation time
- **REDUCED** afloat & ashore power consumption
- **REDUCED** cube & weight aboard amphibious shipping for non-kinetic systems
- **REDUCED** lift requirement during ship to shore assault phase
- **REDUCED** system deployment time ashore

ALIGNMENT WITH LIGHTENING THE MAGTF



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Questions?

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