Science and Engineering
Technology Conference/DoD Technology Expo

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Our Priorities

Continue to provide the best trained and equipped Marine units in Afghanistan

Rebalance our Corps and posture it for the future
Our Priorities

Better educate and train our Marines to succeed in complex environments

Keep the faith with our Marines, our Sailors, and our families
• Energy
• Vehicles/Protected Mobility
• Lighten the MAGTF
Energy Convoy picture
At the Tactical Edge Water is the Problem

Data Source CLB-8 period June 13 – September 11 2009
UNCLASSIFIED
“We will rebalance our Corps, posture it for the future and aggressively experiment with and implement new capabilities and organizations.”

The Challenge

Affordability / Technology

Create the Middleweight MAGTF within Affordability Constraints

Capability Solutions

System of Systems

Required Capabilities
- Energy
- Efficiency
- Weight/Cube
- Other Req.

Capability Development
Integration (E&D)

- S & T Initiatives
- Legacy System Modification
- Procurement (e.g., existing Army system)
- New development Program

Weight/Cube

W/F Requirements
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Issue: Increasing Power Consumers

Individual Marine Power Requirements

- AN / PVS-17 AA Battery
- AN / PVS-14 AA Battery
- AN / PAS-13D AA Battery
- AN / PEO-16A DI-123A Battery
- Hand-held flashlight AA Battery
- MIOX Water Purifier AA Battery
- AN / PSC-13 D-DACT Unique or AA Battery
- DAGR AA Battery
- AN / PRC-148 or 152 Unique Batteries
- AN / PRC-153 Unique Battery
- Quiet Pro Headset Unique Battery
- Squad Digital Camera Unique Battery
- AN / PRC-117F BA-5590 / BA-6390 / BB-2600 Batteries
- Rugged Laptop Unique Battery
Combat
Developer
DC, CD&I
Requirements
S&T Objectives (STOs)

TECOM

MCWL

Industry

Technology
Developer
ONR

Material
Developer
MCSC/PEOLS
Acquisition

MARFORS

HQMC
Advocates

http://www.marcorsyscom.usmc.mil
- POCs
- S&T Strategic Plan
- Technology Needs
What's New at Marine Corps Systems Command:


First M-ATVs deploy to Afghanistan

With unprecedented speed, the first of thousands of Mine Resistant Ambush Protected (MRAP) All Terrain Vehicles (M-ATV) are being deployed to Afghanistan with a highly survivable and off-road-capable vehicle just three months after a delivery order was awarded to protect warfighters.

MRAP vehicles feature a V-shaped hull to deflect roadside bombs and are proven to be lifesavers on the battlefield. The procurement of the M-ATV grew from an urgent requirement to provide troops a smaller and more maneuverable vehicle that can travel off-road and navigate Afghanistan’s difficult, mountainous terrain.
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These POCs match technology to Program Needs
“There is little that will sober an enemy more surely than the knowledge that somewhere, just over the horizon, lies a force of well-trained, well-equipped Marines in competently manned ships capable of delivering a stunning amphibious blow at a point and time of their own choosing.”

Lieutenant General, Victor Krulak, United States Marine Corps