



# United States Marine Corps

Program Manager for Ammunition

## 2003 NDIA Munitions Executive Summit

# Life-Cycle Management Multiplier Effects



**Procurement  
Delivery  
Training  
Malfunction  
Suspension  
Reclassification  
Shipment  
Maintenance  
Testing  
Use/Demil  
Costs**



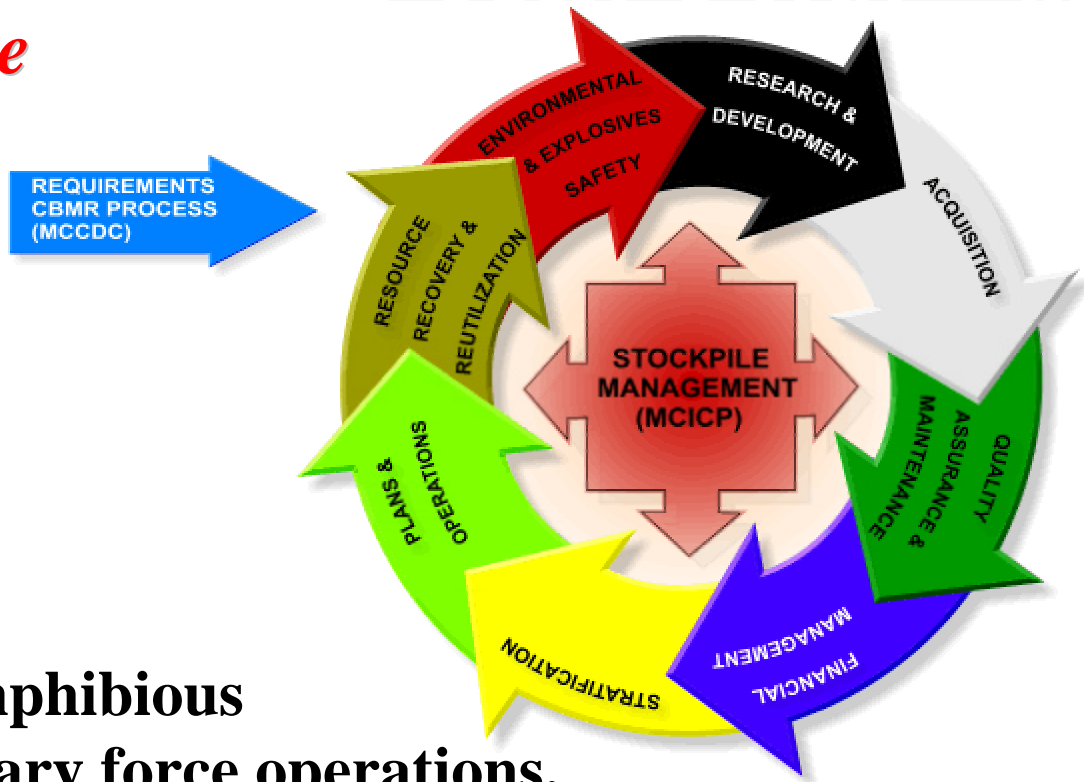
Jerry L. Mazza 703-432-3159  
Mazzajl@mcsc.usmc.mil



## Mission Statement

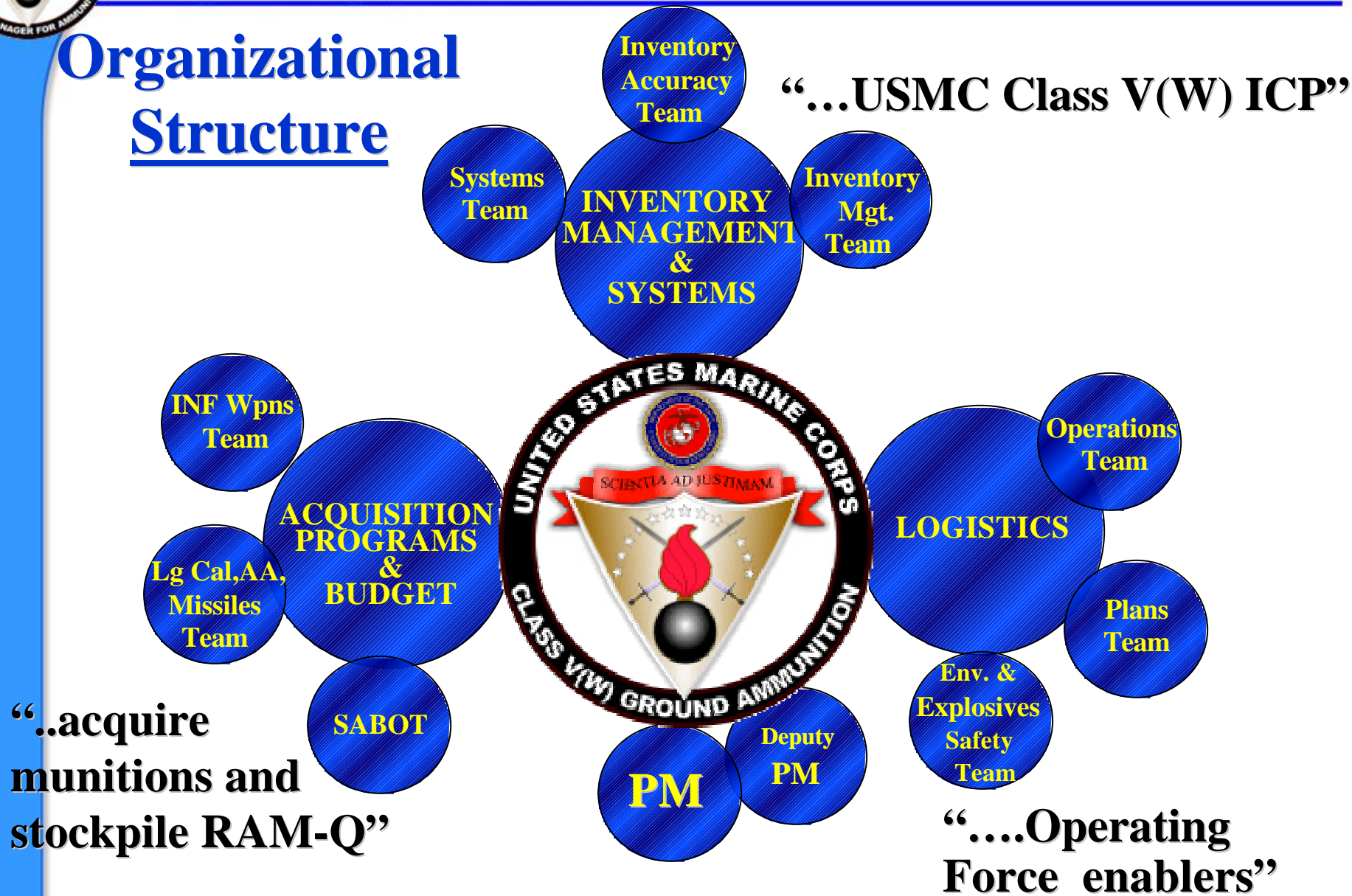
Conduct limited research, development, and acquisition, and *“execute life cycle management support”* for all conventional ground ammunition (Class V(W)) required by Marine Corps Forces to train for, and successfully conduct amphibious warfare and expeditionary force operations.

### LIFE-CYCLE MANAGEMENT





## Organizational Structure







## *In the Beginning: Sep'94 – Jul'95*

- **Malfunctions:** MK19 Mod 3 GMG & M430 HEDP Ctg **5**  
(4 Inbore detonations, 1 premature airburst)
- **Injuries:** **18**  
(3 Major, 15 Minor)
- **MK19 GMG Destroyed:** **6**
- **Blue Team investigation most Probable Cause:**  
**“Low Propellant & Double Closing Cups”**
- **Recommendation:**  
**“The entire stockpile of M430 cartridges should remain in CC”N”  
until radiographically screened for low propellant and double  
(or missing) closure cups”**





# United States Marine Corps

Program Manager for Ammunition



## CONUS Retail Screening Facilities

### CONCORD \$2.1M

Rds Screened: 2,726,872  
PO \$: \$1,881,541  
Trans \$: \$220,000

### CRANE \$1.6M

Screened: 1,151,620  
PO \$: \$1,185,669  
Trans: \$381,076

\$5,002,200

### FALLBROOK \$1.5M

Rds Screened: 1,500,000  
PO \$: \$1,500,000  
Trans \$: \$80,000

### MILAN

Rds Screened: 110,016  
PO \$: \$96,814

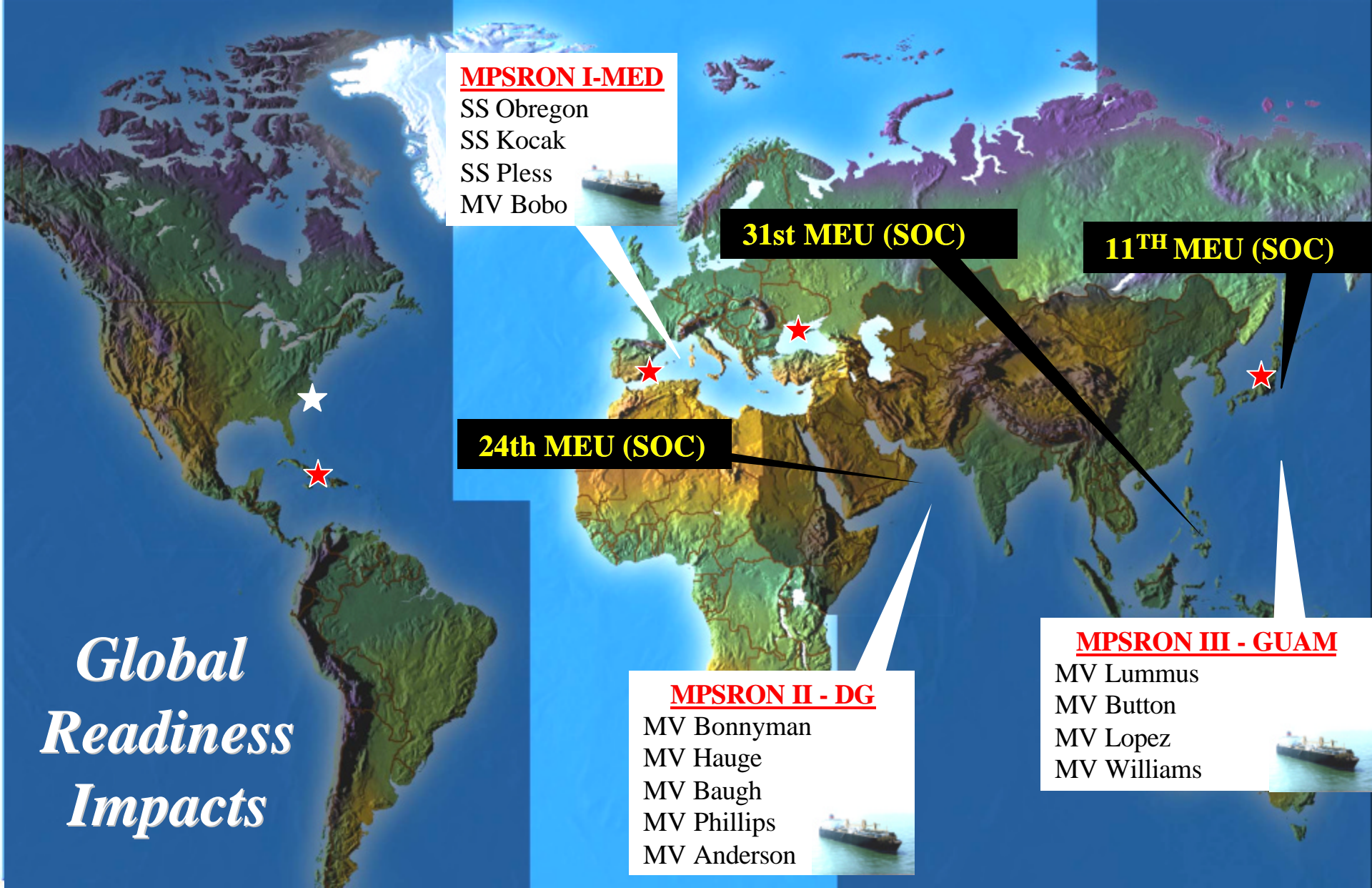






# United States Marine Corps

Program Manager for Ammunition



### MPSRON I-MED

SS Obregon  
SS Kocak  
SS Pless  
MV Bobo



### **31st MEU (SOC)**

### **11<sup>TH</sup> MEU (SOC)**

### **24th MEU (SOC)**

### MPSRON III - GUAM

MV Lummus  
MV Button  
MV Lopez  
MV Williams



### MPSRON II - DG

MV Bonnyman  
MV Hauge  
MV Baugh  
MV Phillips  
MV Anderson



*Global  
Readiness  
Impacts*



# United States Marine Corps

Program Manager for Ammunition



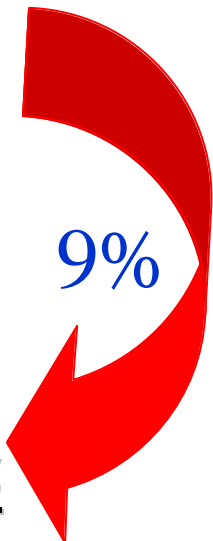
## Summary of Screening Results ; 5.7M Ctgs.

**FINDINGS:** Double Closure Cup  
Low Propellant  
Cartridge Case

**INTANGIBLE MULTIPLIERS**

**Original Cost: \$64,019,330**

Screening cost:	\$ 5,000,200
Replacement Cost:	\$ 596,045
6 Destroyed Wpns:	\$ 91,920
Rtn Screened assets:	\$ 700,000
Ship Substitute:	\$ 350,000
<b>Total:</b>	<b>\$ 6,738,165</b>



**Adjusted Costs: \$70,757,495**

- Readiness Degradation
- Safety
- User Confidence



+



**+ 53,457 Rejects to RRDA**



## The “TAKE AWAY”

- **1) Performance, 2) Schedule, 3) Cost !**
- **The entire munitions spectrum is affected!**
- **Not funded to absorb cost growths!**
- **Reshaping the Munitions Base!**

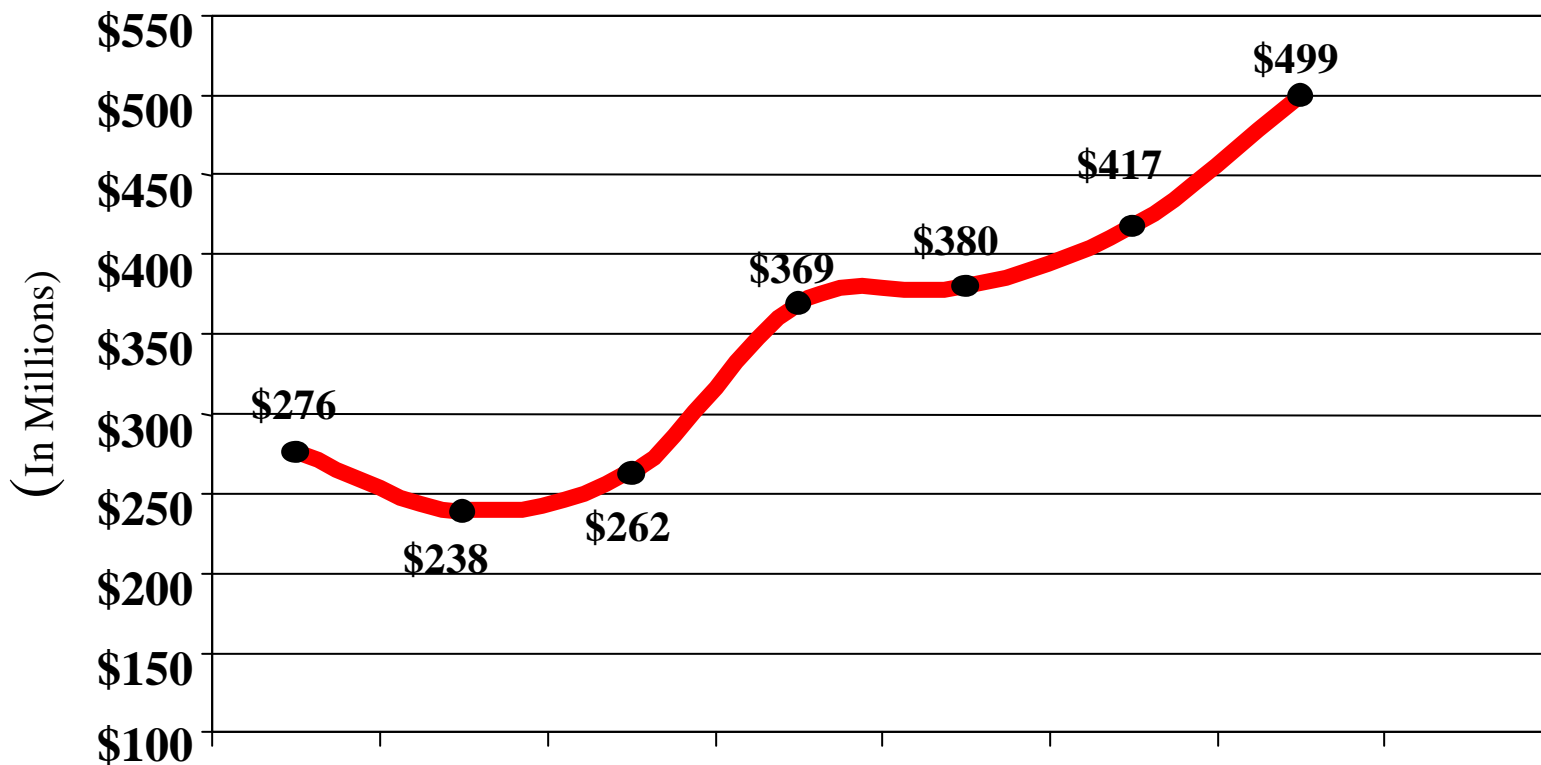




## USMC REQUIREMENTS

- POM04 WRMR Study – Significant Increase

<u>FY03</u>	<u>FY04</u>	<u>FY05</u>	<u>FY06</u>	<u>FY07</u>	<u>FY08</u>	<u>FY09</u>	= \$2.4B
276.3	238.4	262.8	369.9	380.2	417.2	499.9	





# United States Marine Corps

Program Manager for Ammunition



## FINAL THOUGHTS

**Reshaping  
the  
Munitions  
Base**

**“...a team  
approach”**





# United States Marine Corps

*Program Manager for Ammunition*

**QUESTIONS ?**