



# Project Director Joint Services (PD JS) 2017 Munitions Executive Summit

## PM Panel Brief

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# (U) Project Director Joint Services:

## What We Do for the Ammunition Enterprise

[Advanced Planning Briefing to Industry \(APBI\) 2017 Guidebook](#)



**Joint Ordnance Commanders Group (JOCG)**



- Prod Director Demil
- Demil RDT&E

- Coordinate & Integrate the DoD's Single Manager for Conventional Ammunition (SMCA) Responsibilities
- SMCA & Industrial Base Policy
- SMCA Issue Resolution

- Section 806, Public Law 105-261; FAR 207.1
- Single Point Failure Program
- Manufacturing Technology
- Logistics R&D



- Army Ammunition Plant Modernization and Acquisition Strategies
- AAP Layaway of Industrial Facilities (LIF)
- Maintenance of Inactive Facilities (MIF)
- Armament Retooling and Manufacturing Support (ARMS) Program



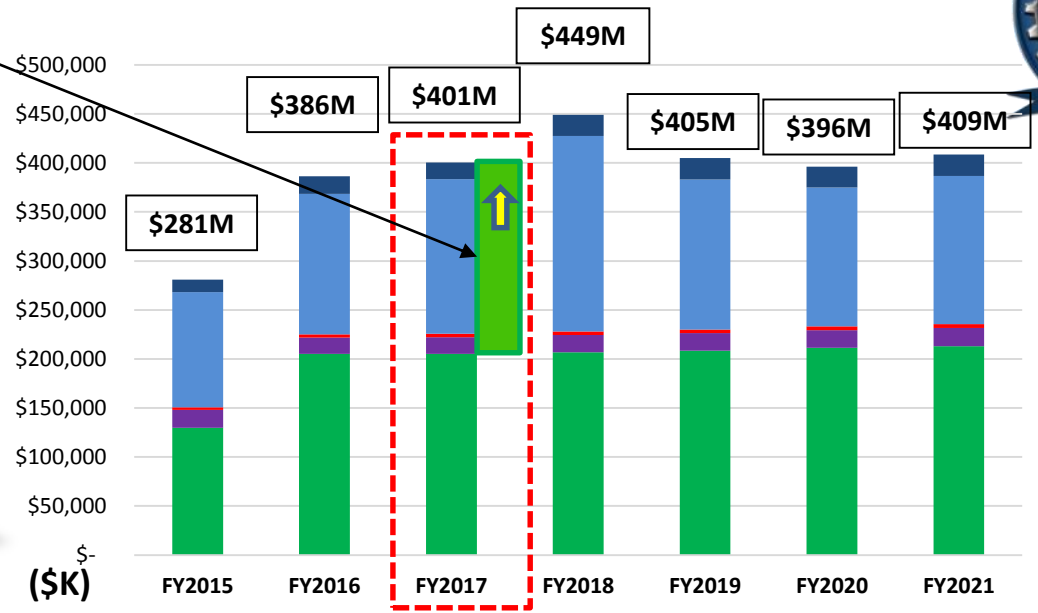
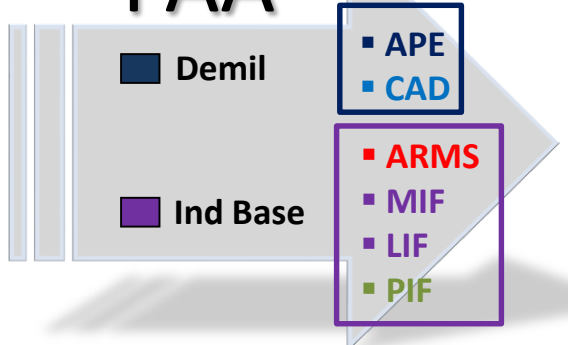


# PD JS PB17 Budget Outlook (FY17-FY21)

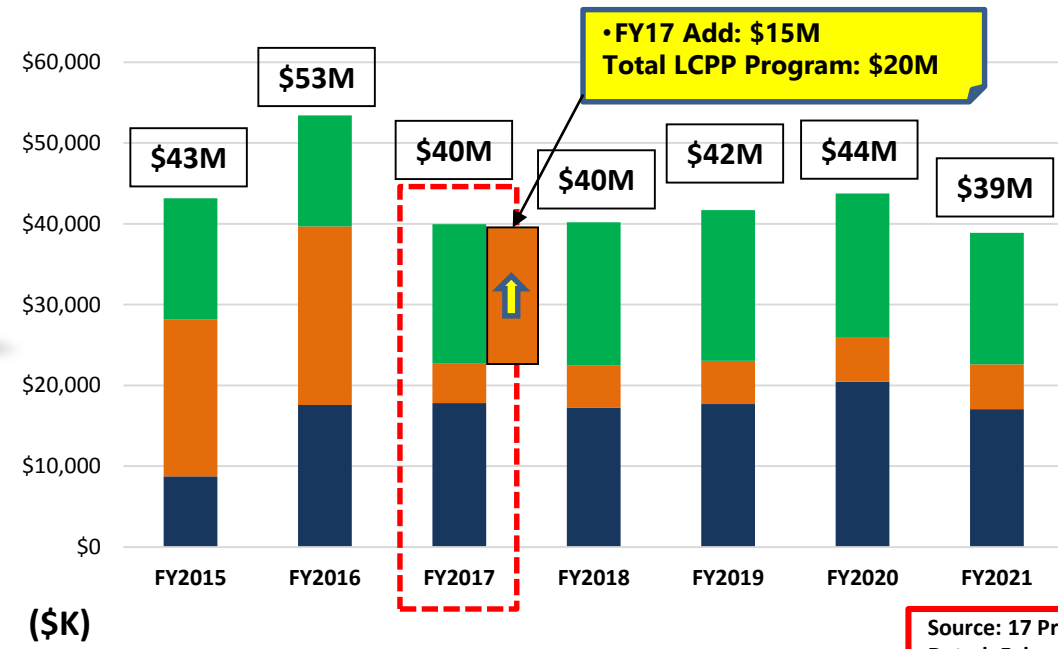
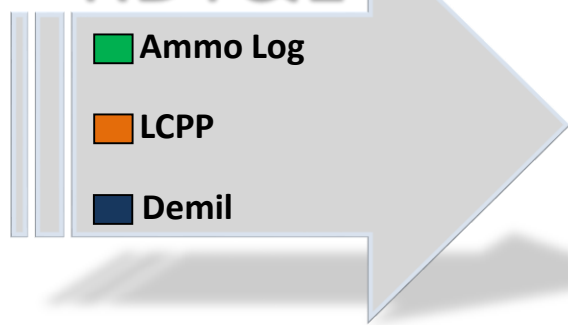


**Ind Base Modernization**  
 • FY17 Add: \$20M  
 • FY17 Supplemental: \$182M  
**Total Mod Program: \$407M**

## PAA



## RDT&E



**• FY17 Add: \$15M**  
**Total LCPP Program: \$20M**

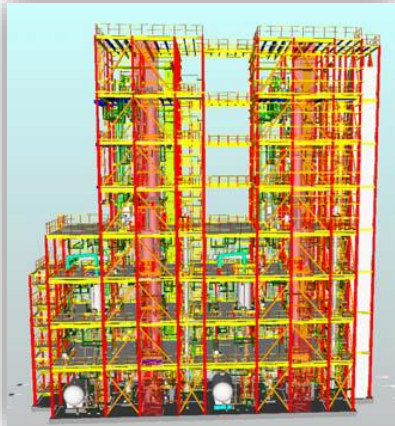
- PAA- Procurement of Ammunition Army
- RDT&E- Research Development Test & Engineering
- PIF - Provision of Inactive Facilities
- MIF - Maintenance of Inactive Facilities
- LIF - Layaway of Industrial Facilities
- ARMS - Armament Retooling and Manufacturing Support
- CAD - Conventional Ammunition Demil
- APE - Ammunition Peculiar Equipment
- LCPP - Life Cycle Pilot Process, RDTE 6.6
- Ammo Log - Ammunition Logistics

Source: 17 PresBud  
 Dated: February 2016



# Main Priorities & Challenges

1. Army Ammunition Plant (AAP) Modernization
2. Scranton Army Ammunition Plant (SCAAP) Competition (\$994M; 15 yr Facility & 2 X 5-yr Supply)
3. Maintaining a Viable & Responsive Industrial Base
4. Reducing the Demil Stockpile
5. SMCA Customer Satisfaction



Holston AAP NAC/SAC



Radford AAP Package Boiler Facility



1. Modernizing Without Disrupting Production
2. Reducing Cost of AAP O&M (\$20-\$75M/yr)
3. Increasing Demil Tons/\$
4. Environmental
  1. Emissions/Steam Plants to Natural Gas
  2. Waste Water
5. ANSOL Remediation Solution



Radford AAP Nitrocellulose Facility



Lake City AAP HVAC New Central Utility Plant (CUP)



Scranton AAP Flexible Machining Cell



Demil Rotary Kiln





# Radford AAP New Nitrocellulose (NC) Facility



### Modernized Facility Design

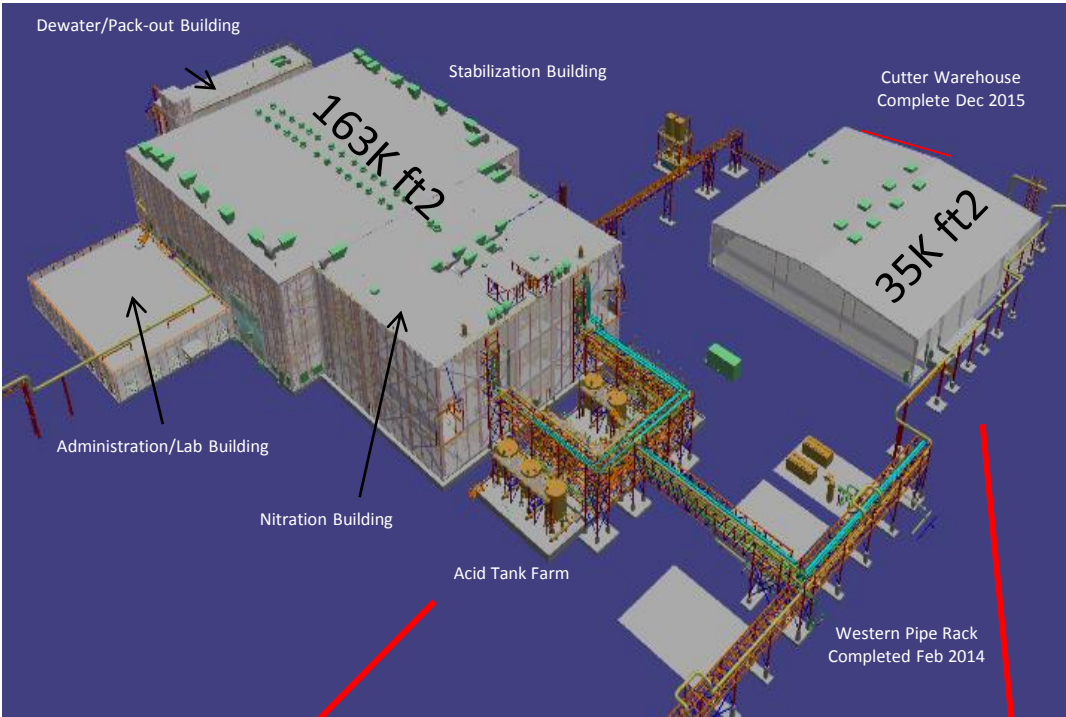
- 20M lbs/yr Nominal capacity
- MIL-DTL-244C compliant
- Reduced footprint, reduced waste streams and emissions
- Increased perational efficiencies

### Main Facility

- Acid Tank Farm
- Nitration
- Stabilization
- Dewatering/Pack-out
- Administration Building
- Laboratory

### Key Dates:

- Construction Complete: April 2018
- Water Trials Complete: June 2018
- Commissioning Complete: Dec 2018



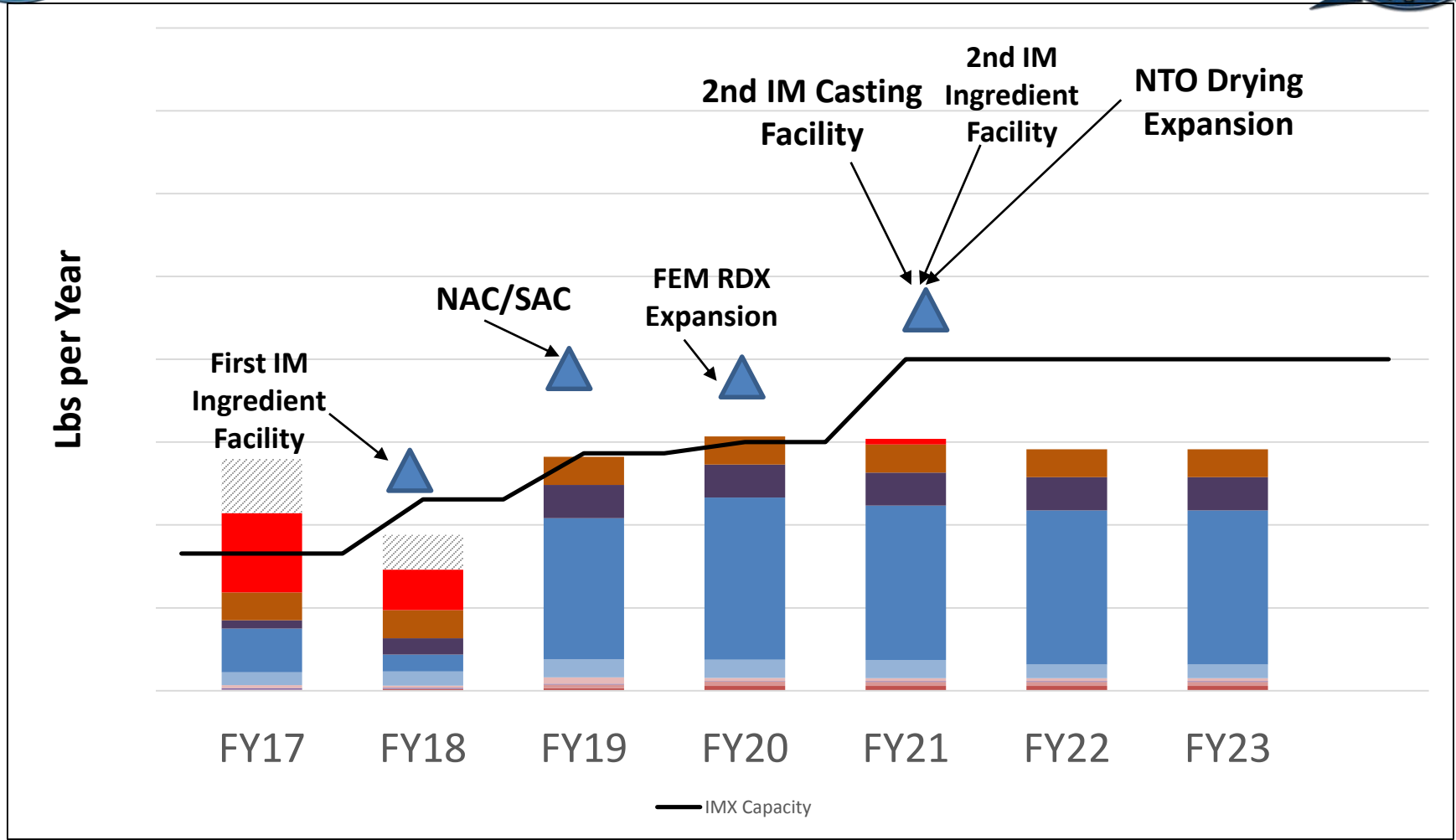
Acid Tank Farm



Cutter Warehouse



# Holston Army Ammunition Plant (HSAAP) IMX Capacity and Demand Over Time



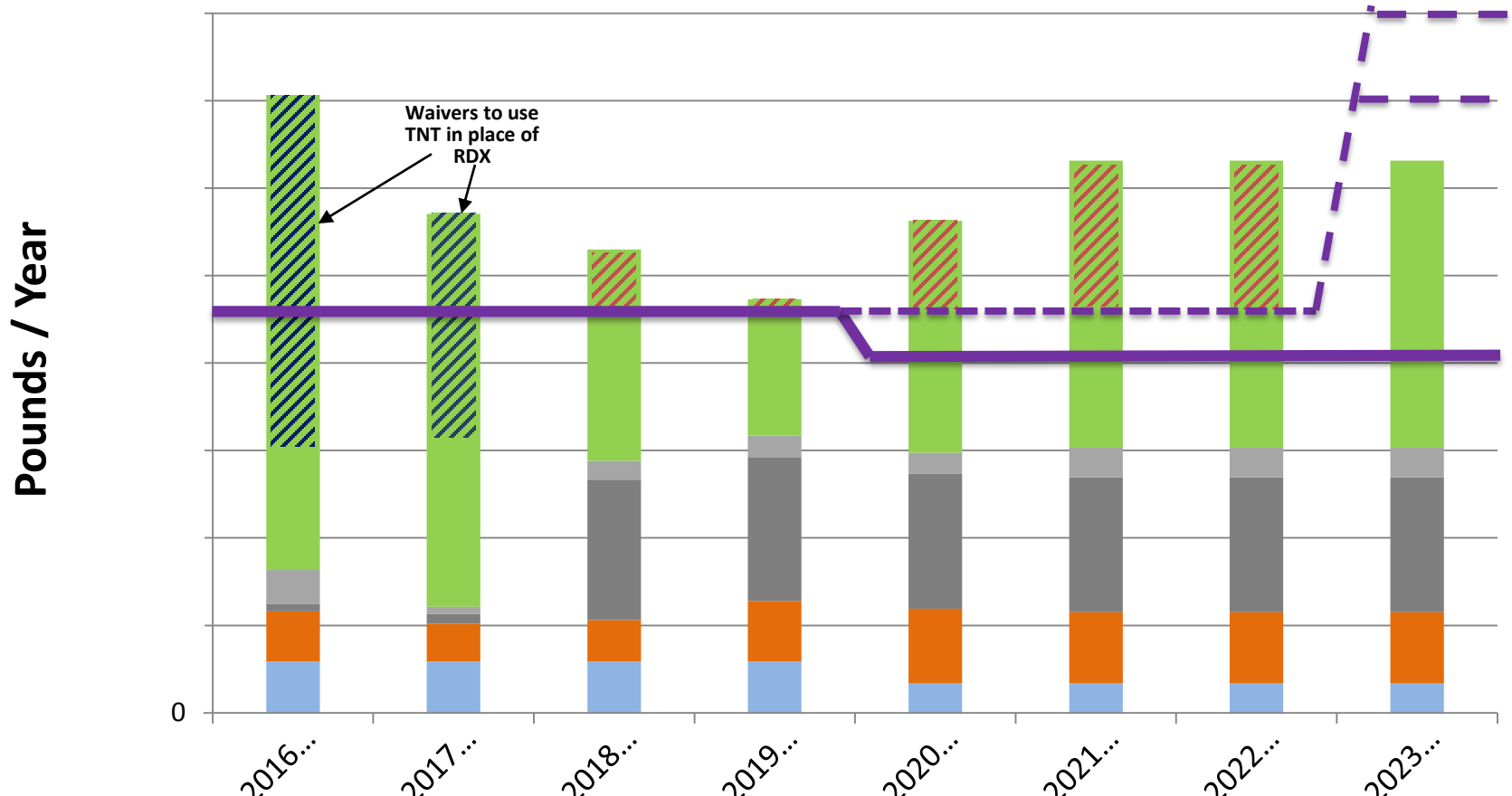
IMX= IMX-101 (65%) plus IMX-104 (35%).

(NQ/DNAN/NTO)

(RDX/DNAN/NTO)



# Holston Army Ammunition Plant (HSAAP) RDX Capacity and Demand Over Time



- RDX Capacity
- FEM Capacity

- Exceeds Capacity at HSAAP
- CXM-AF-7 (Requires FEM)
- CXM-AF-5 (Requires FEM)
- CXM-7
- Other DoD RDX
- Commercial / FMS

**1) HMX Production <2M lbs/yr**  
**2) 1 lb HMX = 4 lbs RDX**

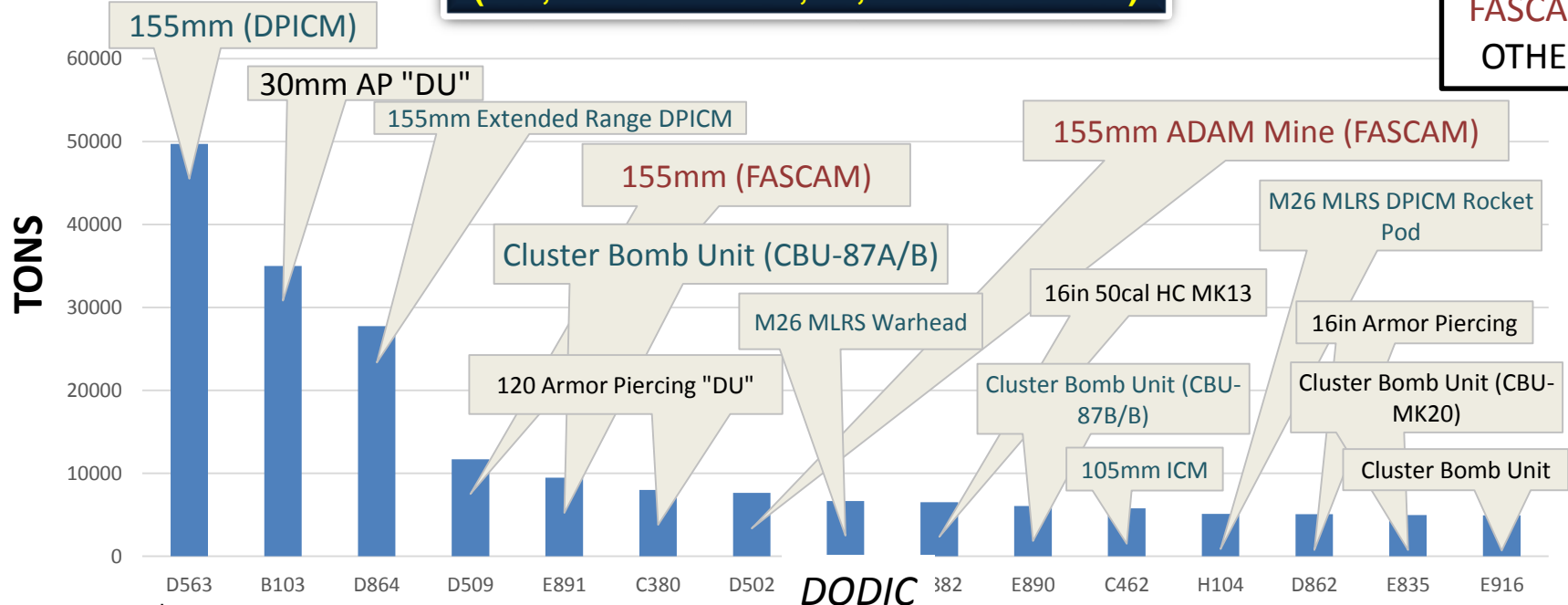


# Major Demil Stockpile Items

----Over 7,600 DODICs in the Demil Account----

**Total Stockpile: 468,400 Tons**  
**(438,904 tons ammo; 29,496 tons missile)**

DPICM  
 FASCAM  
 OTHER



\*Data for graph current as of Feb 2017

**New Navy Projectile Contracts:**  
 IDIQ Total: \$46M; ~\$12-15M/yr

- Draft RFP : **May 2017**
- Award: **April 2018**
- 16 inch rounds = \$40M
- 3, 5, 6 & 8 inch rounds = \$6M

**RDT&E Needs:**

- Smoke Munitions– Smoke effluent
- Riot Control--Chlorine Gas
- Torpedo Warheads– Ammonium Perchlorate



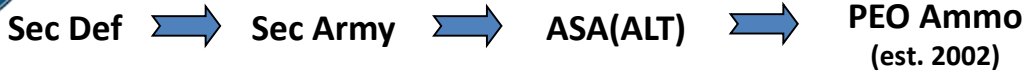


# Questions?



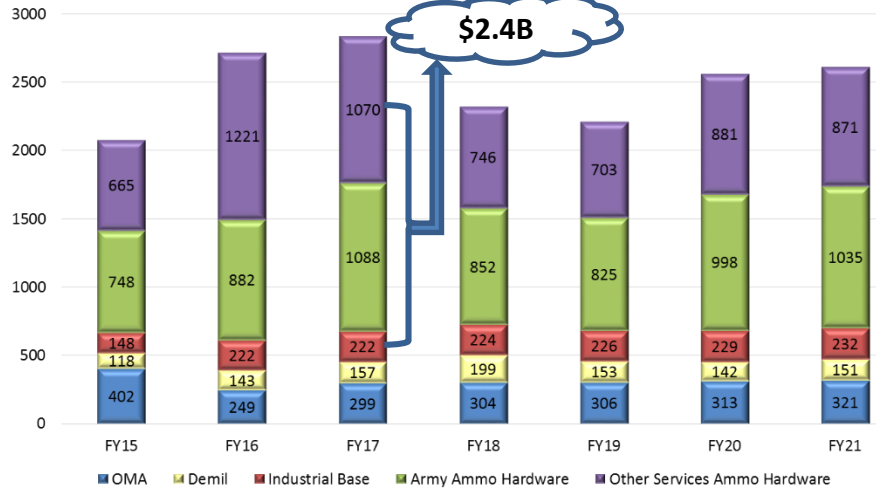
# Single Manager for Conventional Ammunition (SMCA)

Est. 1977



**SMCA Charter**  
USD(AT&L) / Sec Army May 2015

### FY15-21 Fiscal Outlook (in \$M) (Army & Other Services)



Source: 17 Pres Bud dated Feb 2016

### FY16 SMCA Customer Survey Results

Category	Individual Metric	Service Ratings					FY16 Average Score		
		USAF	USMC	IWS3C	PMA 201	PMA 242		USSOCOM	
Transition	1. Participation in the transition of SMCA-assigned conventional ammunition	✓ Satisfactory	✓ Excellent	✓ Satisfactory	↓ Satisfactory	↓ Satisfactory	↑ Good	0.75	
	2. Management of the transition process	✓ Satisfactory	↑ Excellent	✓ Satisfactory	↑ Satisfactory	↓ Satisfactory	↑ Good	0.75	
Production Base	3. Identification & incorporation of new manufacturing technologies	✓ Good	✓ Good	↓ Satisfactory	✓ Satisfactory	✓ Satisfactory	✓ Good	0.75	
	4. Industrial Preparedness Planning	✓ Satisfactory	✓ Good	✓ Good	✓ Satisfactory	✓ Satisfactory	✓ Excellent	0.88	
	5. Coordination on significant production base issues	✓ Good	↓ Good	↓ Good	↓ Satisfactory	✓ Satisfactory	✓ Excellent	1.13	
	6. Management & investment in the conventional ammo production base	✓ Good	↓ Good	↑ Excellent	↑ Good	✓ Satisfactory	✓ Excellent	1.31	
	7. Section 806 processing	✓ Good	↑ Excellent	↑ Excellent	✓ Satisfactory	✓ Satisfactory	✓ Excellent	1.50	
	Acquisition	8. Participation and Influence in the IPT process	✓ Good	✓ Excellent	✓ Satisfactory	✓ Satisfactory	✓ Good	↓ Good	1.06
		9. Procurement Planning	✓ Satisfactory	✓ Excellent	↑ Satisfactory	Needs Improvement	↑ Good	↓ Good	0.75
10. Procurement Administrative Lead Times (PALT)		↑ Satisfactory	↓ Satisfactory	✓ Satisfactory	Needs Improvement	✓ Satisfactory	↓ Satisfactory	-0.06	
11. Source Selection Process		✓ Good	✓ Excellent	✓ Good	✓ Satisfactory	✓ Satisfactory	✓ Good	1.13	
12. Accurate and timely program status		✓ Satisfactory	✓ Good	↑ Satisfactory	Needs Improvement	✓ Good	✓ Excellent	0.75	
13. Cost (all cost factors)		✓ Satisfactory	✓ Good	✓ Good	✓ Satisfactory	✓ Satisfactory	✓ Excellent	0.88	
14. Configuration management		✓ Good	✓ Satisfactory	↑ Excellent	✓ Satisfactory	✓ Satisfactory	✓ Excellent	1.00	
15. Product quality		✓ Satisfactory	↓ Good	✓ Good	↓ Satisfactory	↑ Good	↓ Good	0.69	
16. On-time delivery		✓ Satisfactory	✓ Good	↑ Good	Needs Improvement	✓ Satisfactory	✓ Excellent	0.81	
17. Management of customer funds		✓ Good	↓ Satisfactory	↑ Good	↓ Satisfactory	↑ Good	↑ Excellent	0.94	
Logistics	18. Requisition processing for Items in Inventory	✓ Good	✓ Good	↑ Excellent	✓ Satisfactory	✓ Satisfactory	✓ Excellent	1.25	
	19. Inventory management	✓ Satisfactory	↑ Excellent	✓ Good	↑ Satisfactory	✓ Satisfactory	✓ Excellent	1.13	
	20. Ammunition surveillance	✓ Satisfactory	✓ Good	✓ Good	✓ Satisfactory	✓ Satisfactory	✓ Excellent	0.88	
	21. Wholesale storage	✓ Satisfactory	✓ Good	↑ Good	✓ Satisfactory	✓ Satisfactory	✓ Excellent	0.88	
Customer Service	22. Transportation and handling	✓ Satisfactory	↑ Excellent	✓ Good	✓ Satisfactory	✓ Satisfactory	↓ Good	0.88	
	23. Accommodate specific requirements/requests	↑ Excellent	✓ Excellent	✓ Good	✓ Satisfactory	✓ Satisfactory	✓ Excellent	1.63	

### Section 806 Public Law 105-261 (National Defense Authorization Act for FY 1999)

**Authority:** SMCA authorized to limit procurements to NTIB sources  
**Requirement:** Shall limit procurements to ensure essential suppliers are available for national emergencies  
**Implementation:** DFARS 207.1: "SMCA will review the acquisition plan... (ii) Shall not proceed with the procurement until the SMCA provides written concurrence with the acquisition plan."

**FY16 Section 806s**  
**Total Value: ~\$14B**  
**Total #: 62**

