

MUNITIONS EXECUTIVE SUMMIT

PEO Cross-Service Panel

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4 February, 2009

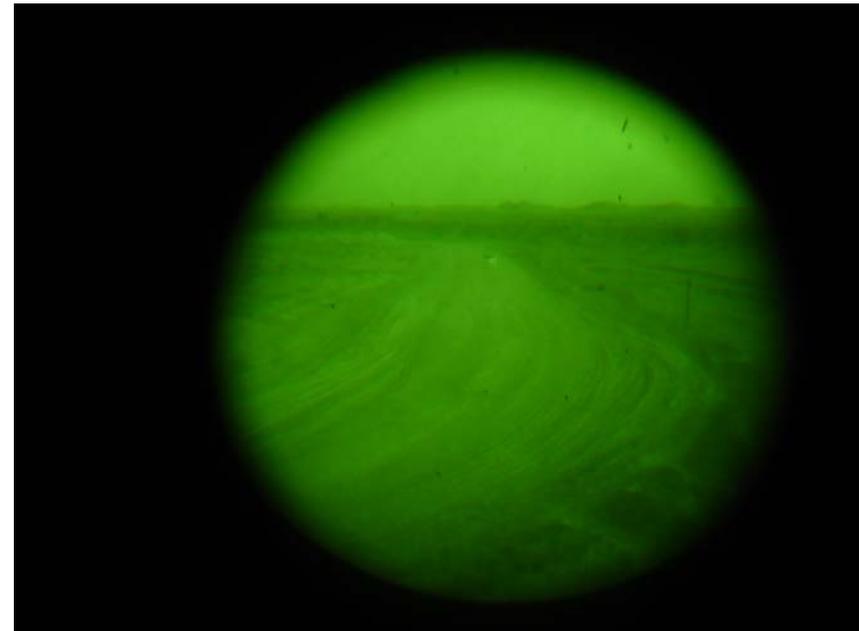
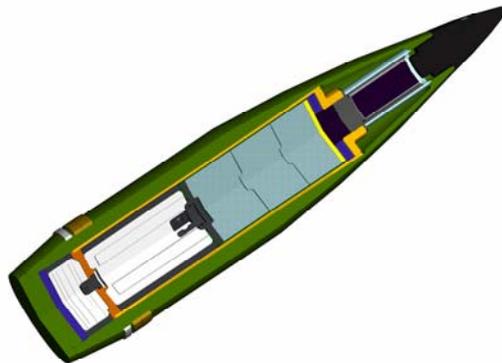


- **Production Pipeline**

- 331 orders = \$2.1B

- **Industry Responsiveness**

- 155mm Infrared Illuminating Projectile
 - USMC Urgent Need Spring'08
 - In Theater by June'08





• Industry Partnering – Mortar Primer Sensitivity

• Problem

- Increasing Sensitivity of the Federal 150 primer used in 81mm mortar
- Same primer used in Federal shotgun shells
- Concern driven by mortar use on the LAV if dropped on metal deck



• Solution

- Formation of comprehensive IPT
- ATK/Federal; American Ordnance; POCAL; ARDEC; PEO Ammo (PM CAS); NSWC Crane, PM Ammo (USMC)
- New primer design that meets USG needs
- To be incorporated into all ignition cartridges



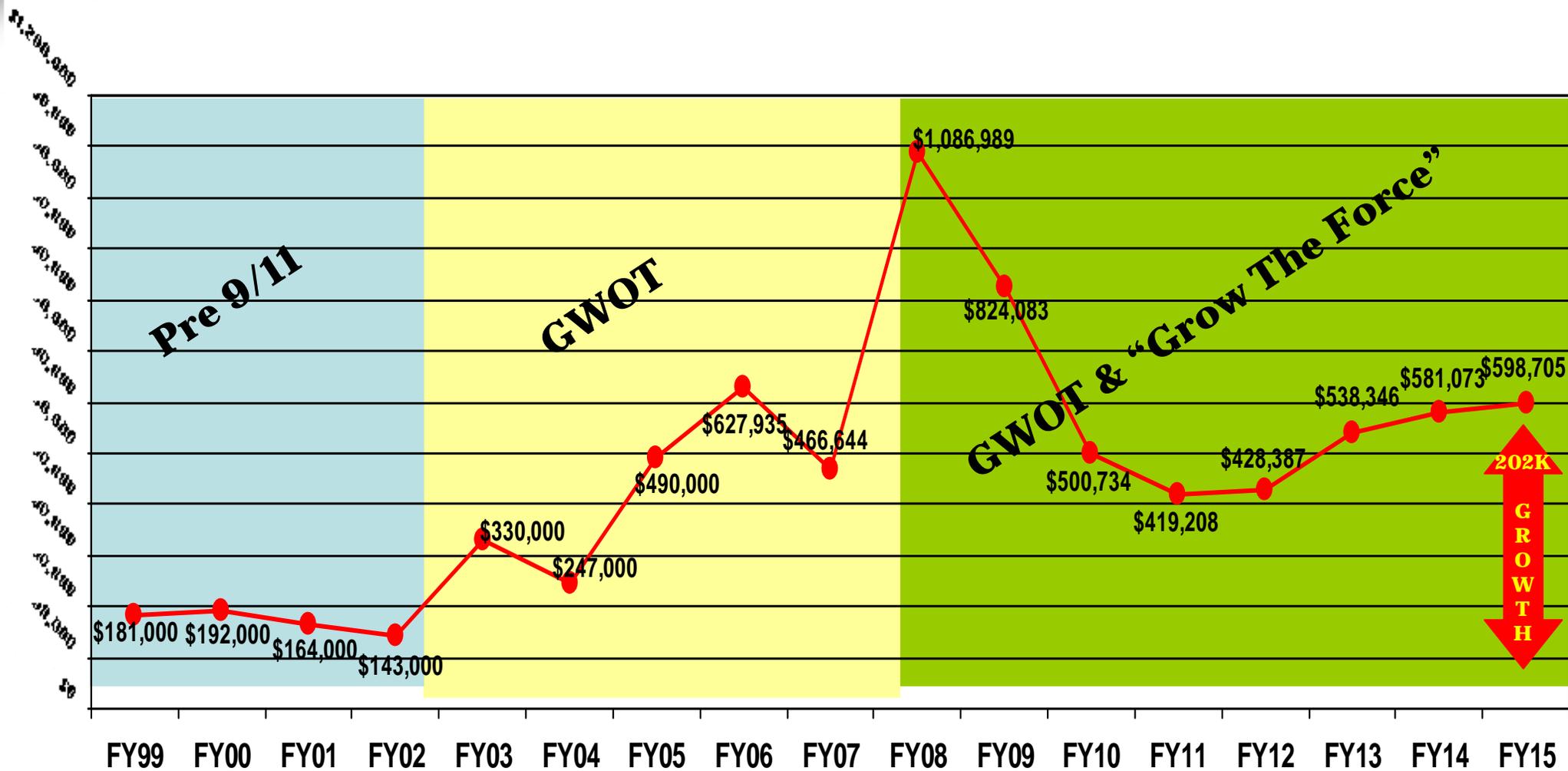
• Results

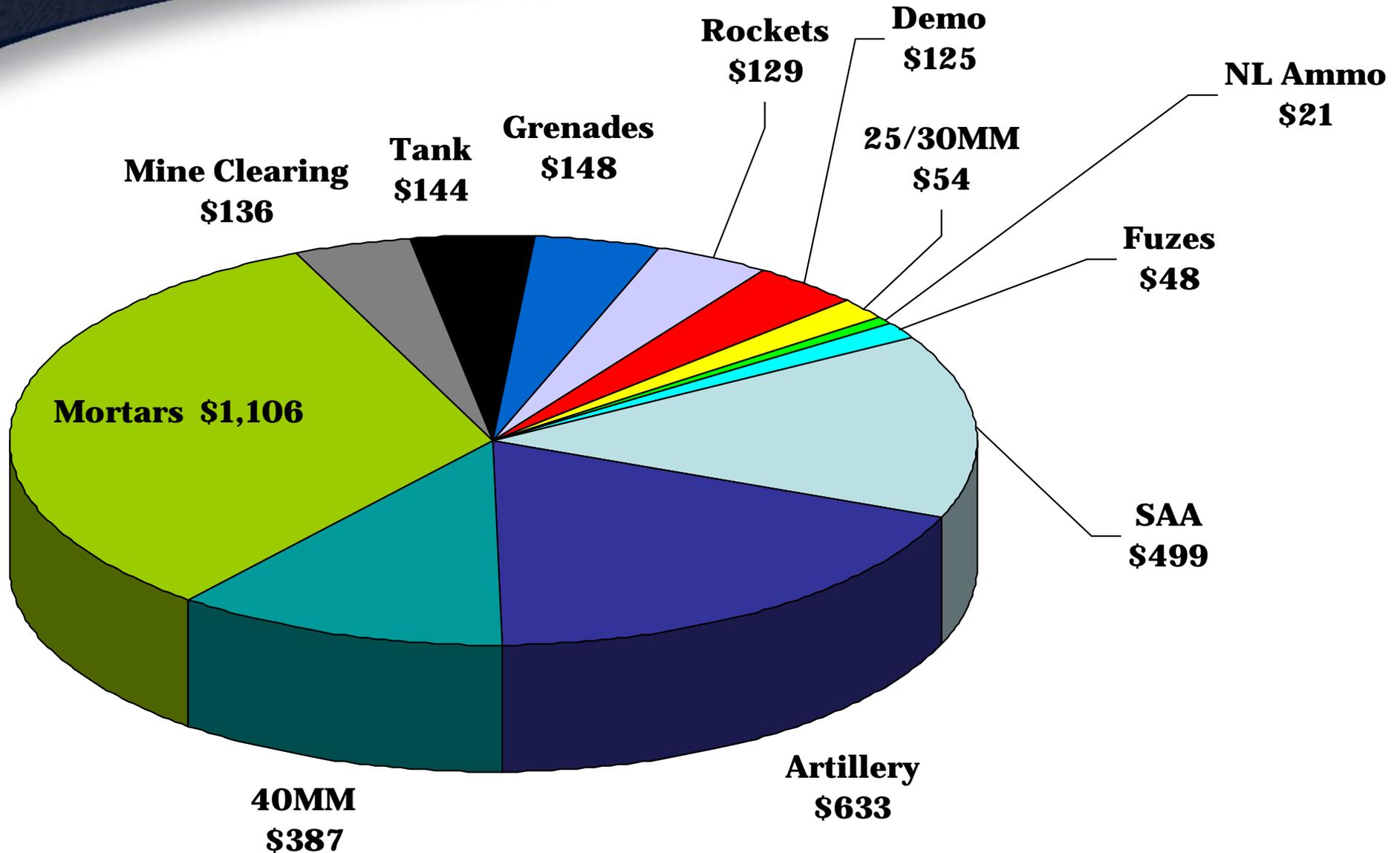
- Mitigates the probability of injury

• Customer & War Fighter needs met



USMC AMMUNITION INVESTMENT FY99-FY15





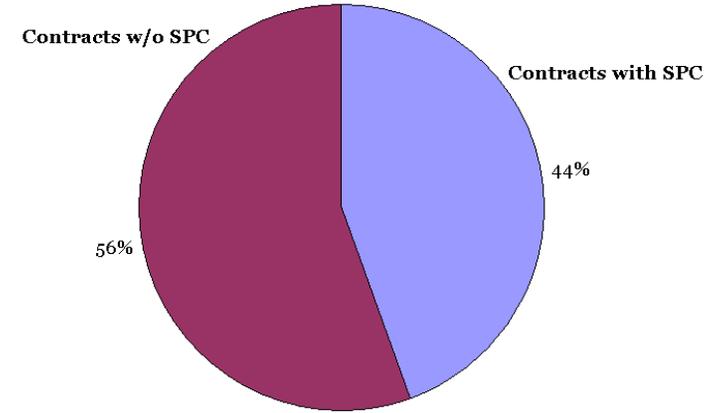
FY08-FY13 Procurement Breakout = \$3.6B
(PRESBUD 09)



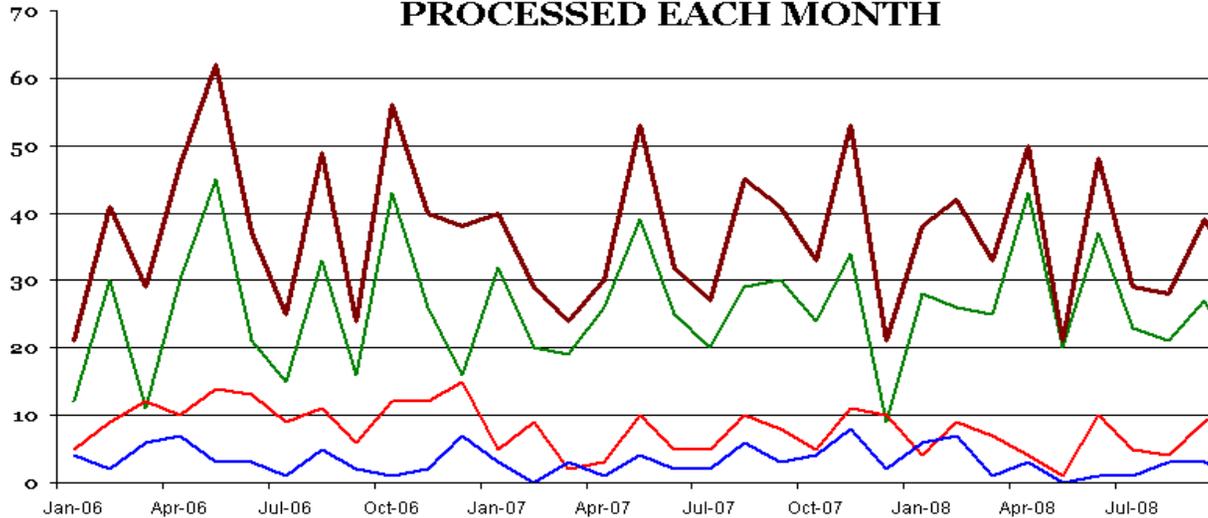
- Quality

- Continuous and...

PERCENTAGE OF CONTRACTS WITH SPC



ECP's, RFW's, RFD's
PROCESSED EACH MONTH



	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08
ECP	12	30	11	30	45	21	15	33	16	43	26	16	32	20	19	26	39	25	20	29	30	24	34	9	28	26	25	43	20	37	23	21	27	17	25	45
RFD	5	9	12	10	14	13	9	11	6	12	12	15	5	9	2	3	10	5	5	10	8	5	11	10	4	9	7	4	1	10	5	4	9	12	3	6
Totals	21	41	29	47	62	37	25	49	24	56	40	38	40	29	24	30	53	32	27	45	41	33	53	21	38	42	33	50	21	48	29	28	39	30	34	53
RFW	4	2	6	7	3	3	1	5	2	1	2	7	3	0	3	1	4	2	2	6	3	4	8	2	6	7	1	3	0	1	1	3	3	1	6	2

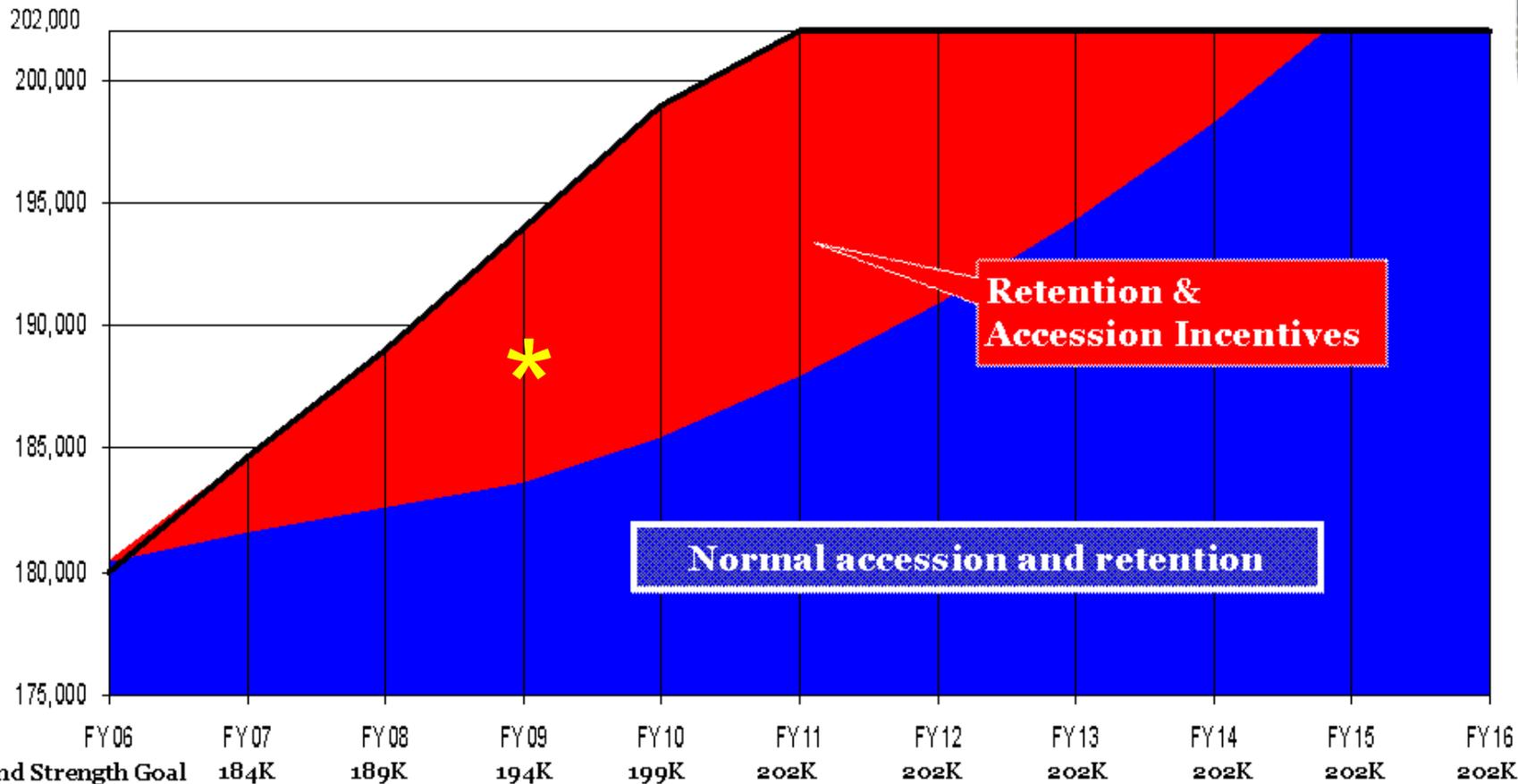
... Sustained Improvement



EQUIPPING THE WARFIGHTER TO WIN

Challenges

- USMC 202k Growth 2 Years Ahead of Schedule
- Going “precise” costs!

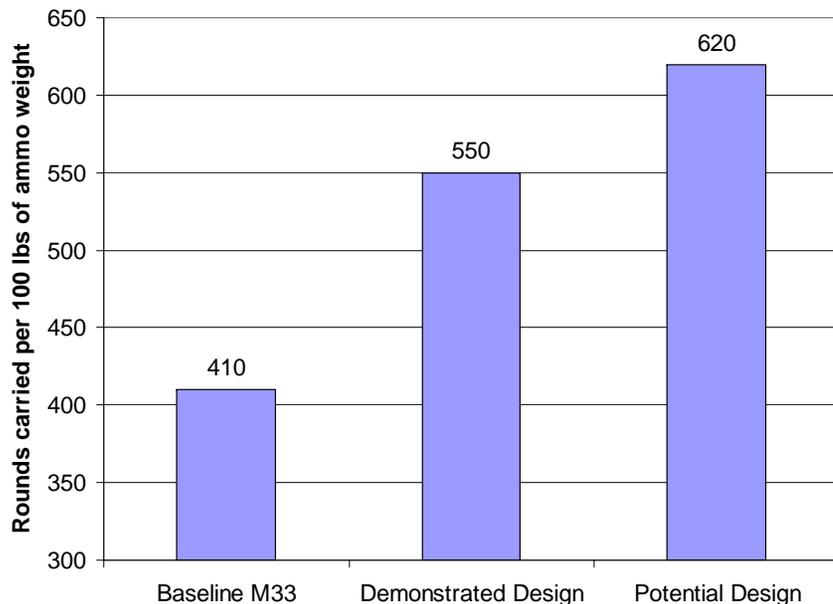
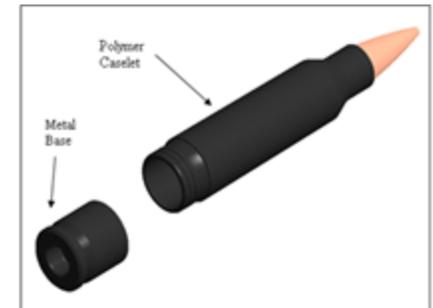




EQUIPPING THE WARFIGHTER TO WIN

• Light-Weight Polymer-Based Ammunition

- Two component design: Polymer Caselet & Brass Base
- Benefits (all calibers)
 - Weight savings: 23-25% demonstrated
 - 28-35% indicated (design goal)
 - Same or lower cost in full production
- Calibers in development: 5.56mm, 7.62mm and .50cal





- **Unstable funding profiles**
- **Requirements fluctuation**
- **Alignment of Procurements & Requirements**
- **Joint Ordnance Commanders awareness**



- **Changing Environment**
 - New Administration
 - Industries tolerance for risk and flexibility
- **The Key to Success**
 - Collaboration
 - Open and Frank Communication



- **USMC continued reliance on Industry**
- **Single Manager for Conventional Ammunition**
- **Thank you**