



Navy Small Arms Program

Status & Way Ahead

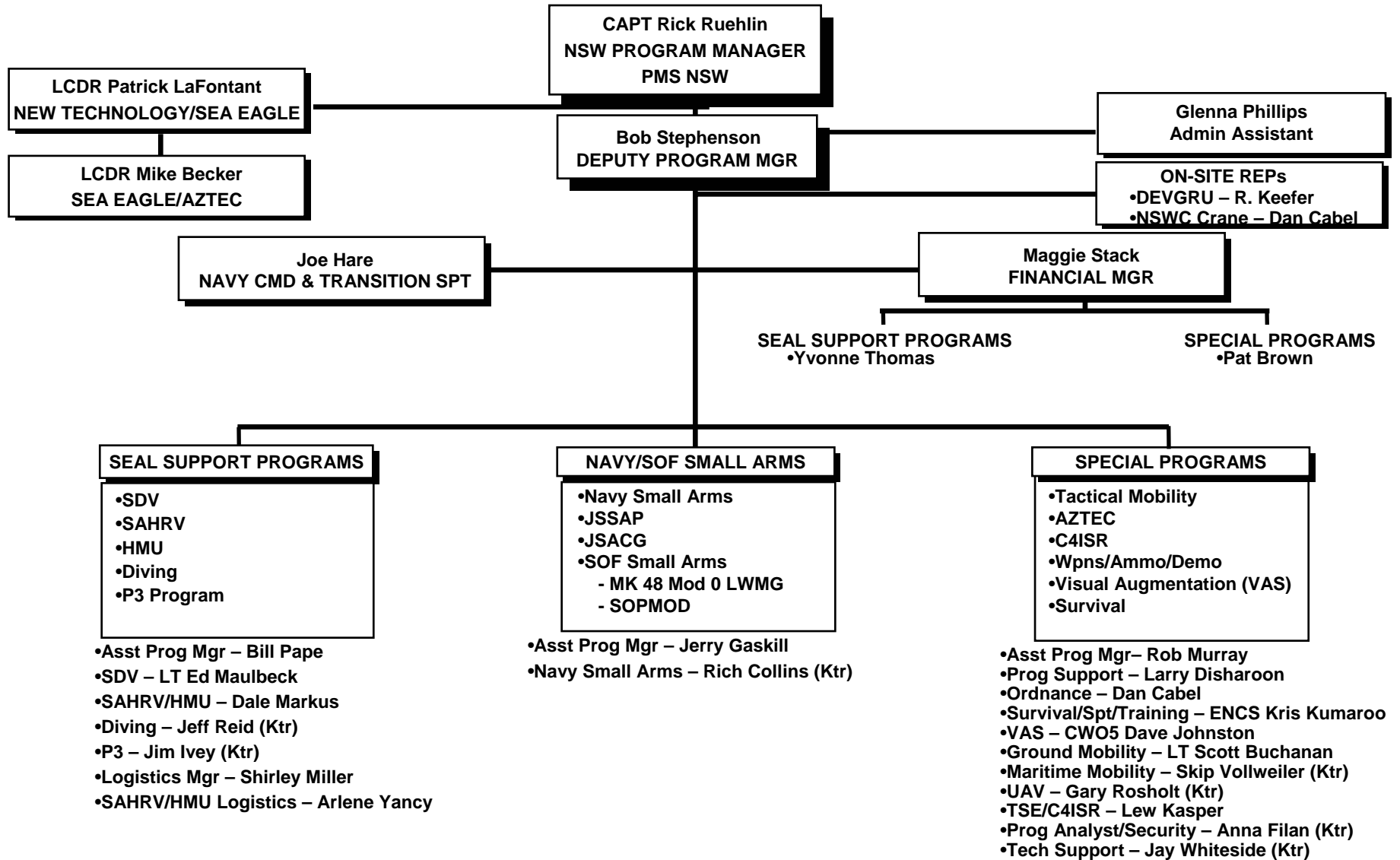
JSSAP

15 May 2006

Mr. Jerald Gaskill
PEO-LMW/PMS-NSW
APM Small Arms
202-781-0595



PMS NSW ORGANIZATION



Small Arms Sustainment Way Ahead

- Actions being taken to reduce program costs
 - Policy Changes: New way of doing business
 - No new **unfunded** allowances approved unless specifically directed by CNO N86.
 - Current approved but unfilled allowances **will not be filled** unless specifically approved by N86.
 - War reserve weapons **will be used** to satisfy Fleet requirements to the extent assets are available.
 - M60 machine guns repaired by **retrieving parts** (cannibalizing) from NRFI weapons already stock piled at NSWC Crane.
 - **Funded** allowance changes must be supported by CFFC and approved by N86.
 - Lean Initiatives
 - End-to-End Value Stream Analysis
 - Rapid Improvement Events
 - .50 Caliber Overhaul
 - M-60 Machine Gun Repair
 - Weapons Material and Spare Parts
 - Weapons Maintenance, Test & Evaluation
 - Weapons Rework and P&P
 - Weapons Receiving and Shipping
 - On-going RIEs at Crane

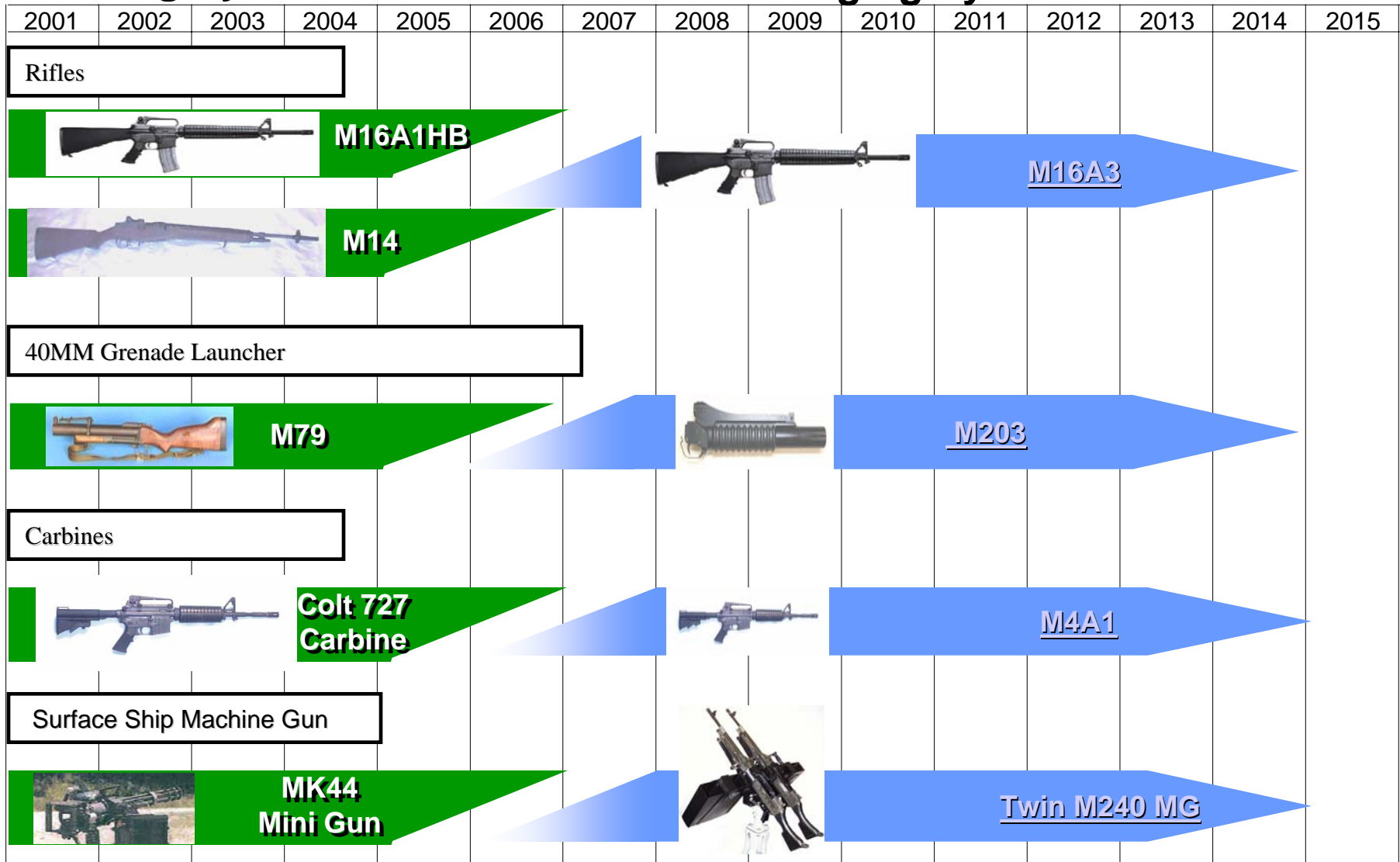
Small Arms Sustainment Way Ahead (cont.)

- Repair vice refurbish small arms
 - Current cost saving measures:
 - Overhaul M-60 Machine Guns using cannibalized parts
 - Repair 12 GA Shotguns
 - Repair M16A3 Rifles
 - Repair Model 727 Carbines
 - Repair M11 9mm Pistols
 - Repair M9 9mm Pistols
 - Repair M203 40mm Grenade Launchers
 - Metrics developed during repair of sample weapons
 - Repair labor on each gun – broken down by activity
 - Repair parts on each gun
 - Test Results on each gun
 - Other charges on each gun (P&P, ammunition support, etc.)

Small Arms Modernization Way Ahead (cont.)

Existing Systems

Emerging Systems



Small Arms Way Ahead Summary

- Executing new Business Model for Sustainment Way Ahead
- Roadmap Established for Modernization Way Ahead

BACKUP

Small Arms

7.62mm Machine Gun Modernization

- Replace the obsolete M60 7.62mm Machine Gun (MG)
 - FY05 supplemental funds provided to procure the more robust M240 MG as replacement for the M60 MG
 - Funds used to procure:
 - 1,925 each M240B MG
 - 1,925 each Initial issue kits
 - 1,250 each MK97 mounts for the M240B
 - 500 each M125 ground tripod
 - 500 each Traverse & elevation mechanisms for the M125
 - 218 each M105 adaptors for M240B
 - Initial spares for the M240B
 - Replacement of M60s with M240B will be on a priority basis
 - Training Commands
 - Units in direct support of GWOT
 - Deploying Strike Groups
 - Shore stations
 - Remaining Fleet units



Small Arms Mount Modernization

- Replace the MK26 Mod 17 and the MK64 Mod 4 with the less expensive and more robust MK93 universal mount
 - Capable of mounting both the M2HB .50 cal and the MK19 40mm Grenade Machine Gun
 - With an adaptor, can also mount M240 7.62mm Medium Machine Gun (this option is too expensive under normal circumstance)
- Replace the MK58 and the MK82 M60 Machine Gun mounts with the MK97 M240 Machine Gun mounts
 - MK58 and MK82 specific to the M60 family of Machine Guns
 - MK97 is specifically designed to mount the M240 family of Machine Guns



Small Arms Rifle Modernization

- Replace the M14 7.62mm As the Fleet's Primary Rifle
 - USN is only user of the M14 rifle
 - Too heavy for use in VBSS and MIO operations
 - Too long for use in VBSS and MIO operations
 - Shore establishment and expeditionary units have migrated from M14
 - Fleet desires M16A3 as replacement for M14 rifle
 - Few M14s to be retained for use in line throwing/burial at sea
 - Currently 4,354 M14 rifles in use aboard Navy vessels



Small Arms

40mm Grenade Launcher Modernization

- Replace the M79 40mm Grenade Launcher with the M203
 - M79 is obsolete
 - M203 is designed to fit onto the M16 family of weapons. Results in increased flexibility
 - Relatively few (<900) M79s remain in service. Too expensive to maintain



Small Arms

5.56mm Carbine Conversion

- Convert the Model 727 carbine to M4A1 configuration
 - USN is only user of the Model 727 carbine
 - Model 727 carbine is out of production
 - Model 727 carbine is not capable of mounting sighting devices
 - FY05 O&MN supplemental funding will be used to convert 4000 each Model 727 to the M4A1 configuration
 - Conversion will take place at a rate of approximately 1000 per year FY06-FY09. Will accelerate conversion if labor and parts availability allow
 - Model 727 will be completely replaced by the end of FY09
 - Replacement of 727s will be done on a priority basis
 - Training Commands
 - Units in direct support of GWOT
 - Deploying Battle Groups
 - Shore stations
 - Remaining Fleet units



Small Arms

Surface Ship Upgrade/MK44 Replacement

- Replace the MK44 mini-gun system with Twin M240 MG.
 - MK44 Mini Gun (Sufficient FY06 funding to procure 55 ship sets)
 - System provided as a rapid response measure after USS Cole incident
 - Fires 7.62mm at 3,000 rounds per minute
 - Electrically driven w/six barrels
 - 80 systems currently in use by Fleet
 - No spare parts support in place
 - Difficult and expensive to maintain aboard ship
 - Requires ship alt to become a permanent emplacement
 - Twin M240 MG (Sufficient FY06 funding to procure 160 ship sets)
 - Fires 7.62mm at 1500 to 1900 rounds per minute (combined)
 - Can continue to fire if one gun fails
 - Any of the ship's M240s can be used to replace failed gun
 - M240 will be fully supported with procurement of 1925 weapons as part of FY05 WPN supplemental



Small Arms Program WAY AHEAD

- Eliminate Small Arms Shortfalls (cont.)
 - Actions to eliminate the shortfall
 - FY06 and FY07-Procure, repair, cannibalize, or convert >33,000 weapons using parts and contract labor procured with supplemental funding. With exception of MK19 40mm MG, M203 grenade launcher and M224 60mm mortar, all active duty shortfalls will be eliminated.

• M2HB .50 cal MG	1,200
• M16A3 Rifle	10,000
• 12 GA Shotgun	3,000
• Model 727/M4 repair/conversion	2,429
• M11 9mm Pistol	1,700
• M203 40mm launcher	900
• M9 9mm Pistol repair	6,200
• MK43 7.62mm MG cannibalize	300
• M60 7.62mm MG cannibalize	300
• M240 7.62mm MG	2775
 - FY08 and FY09-Procure, repair, cannibalize, or convert >26,000 weapons.

By the end of FY11 (BARRING NEW UNFUNDED REQUIREMENTS) the shortage of RFI small arms to meet active allowances will have been eliminated with the exception of the M224 60mm mortar.

Small Arms Program NEW REQUIREMENTS??

- Provisional Detainee Battalion
- Riverine Command – Partially Funded
 - N751 providing funding for one active duty squadron
 - Two reserve squadrons planned for FY07
- Expeditionary Combat Battalion – No Funding Identified
 - Size and requirements are unknown at this point (N757 sponsor??)
- Maritime Civil Affairs Group – Funding Identified in FY08
- Navy Expeditionary Training Team – Funding Identified in FY08
- Expeditionary Security Force – Funding Identified in FY08
- Expeditionary Combat Arms Center – Funding Identified in FY08
- Special Clearance Team One – No Funding Identified
 - EOD unit (Part of MARFPCOM – sponsor N757)
 - 6 new 11 meter RIBs. Small arms requirements unknown at this time