

FY12 NSAC Proposal White Paper Topics (POC - Doug Wong, PM MAS SETI)

Proponent – PM MAS, Product Manager, Small Caliber Ammunition (MAJ Andrew Lunoff, Ben Harris)

1. Tungsten replacement for Small Caliber Armor Piercing Rounds (M993, M995, .50 Cal)
2. Improved Accuracy and Lethality in Small Caliber Ammunition
3. Lightweight Small Cal Ammo Improvements that do not require modification of the fielded gun systems.
4. Dim and Imperceptible Tracers for Small Caliber Ammunition
5. Reduce flash signature across small caliber ammo
6. Temperature stable propellant, to sustain or improve reliability and maintain performance. Proposals should report a cost/benefit tradeoff that supports special applications relevant to increased reliability to affordability valuable to the User.
7. Manufacturing systems employed in other industries/applications/countries, but have not yet been considered or are novel approaches, to affect improvement into ammunition manufacturing reliability, quality and economy.
8. Modeling and Simulation Capability for system interaction across the spectrum of small calibers (e.g. M855 interoperability in a M4, M16 and M249)
9. Synthetic materials development for small, medium and large caliber ammunition that improves consistency of materials.