

The Soldier: America's Most Deployed Combat System



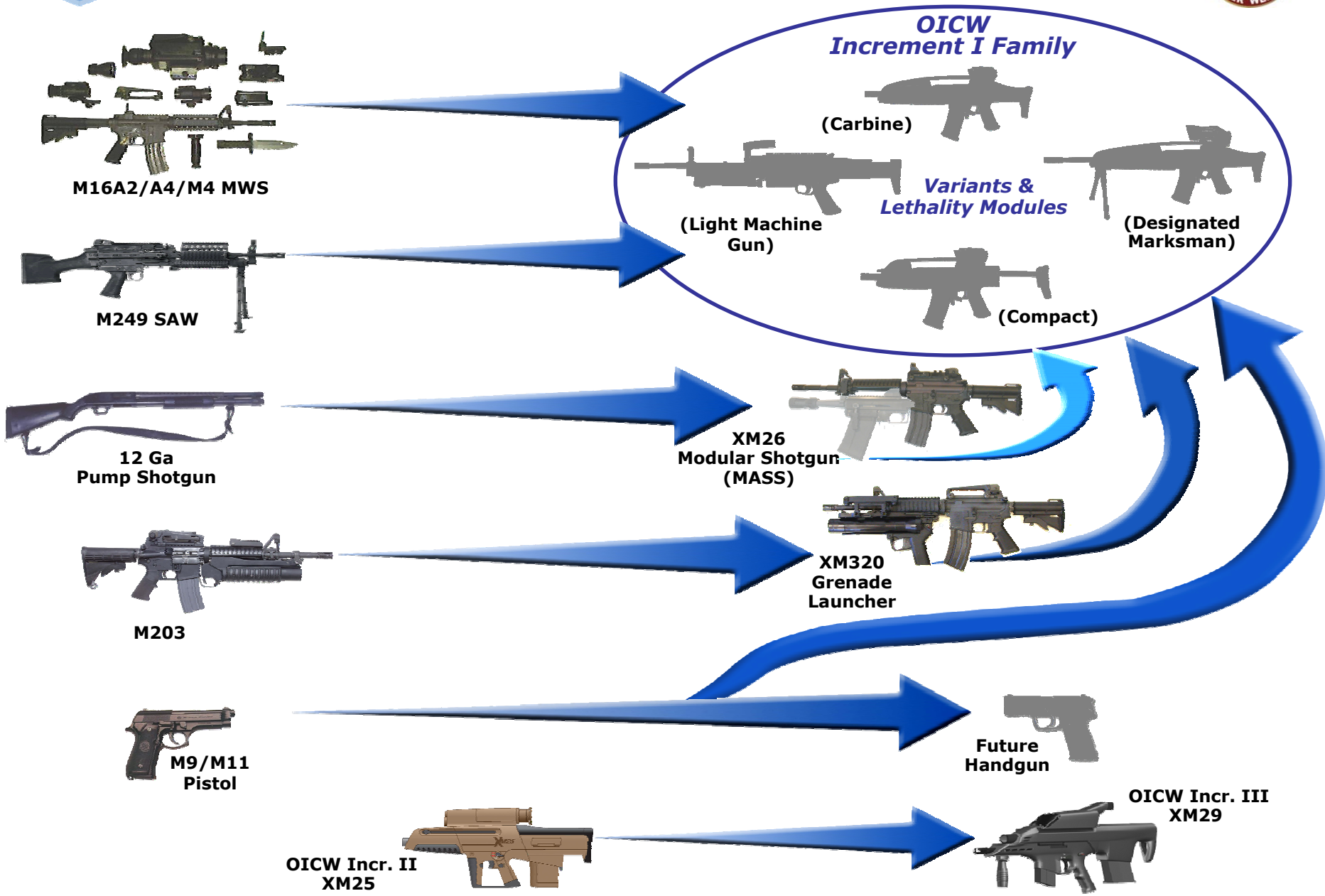
PM Individual Weapons Weapons Overview For NDIA Small Arms Symposium

16-19 May 05

**LTC Matthew T. Clarke
PM Individual Weapons**



Individual Small Arms Path To The Future





OICW I, II, III



Carbine w XM320



Compact



Designated Marksman



Light Machinegun



OICW Increment I

OICW Increment II



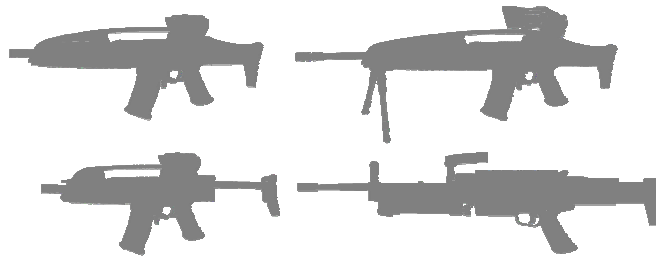
OICW Increment III



Objective Individual Combat Weapon (OICW) Spiral Development Strategy



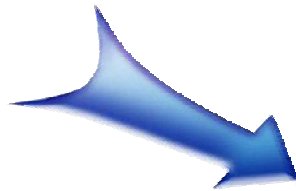
**XM29 Integrated Airburst
Weapon System
(Original ORD)**



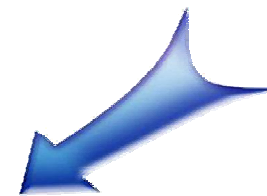
(CDD Increment I)



**XM25 Airburst Weapon System
(CDD Increment II)**



**XM29 Integrated Airburst
Weapon System
(CDD Increment III)**





OICW Increment I



Modular Family Concept



M249 (Auto Rifle Role)



M249 Rail



M145 MGO



PEQ2-A

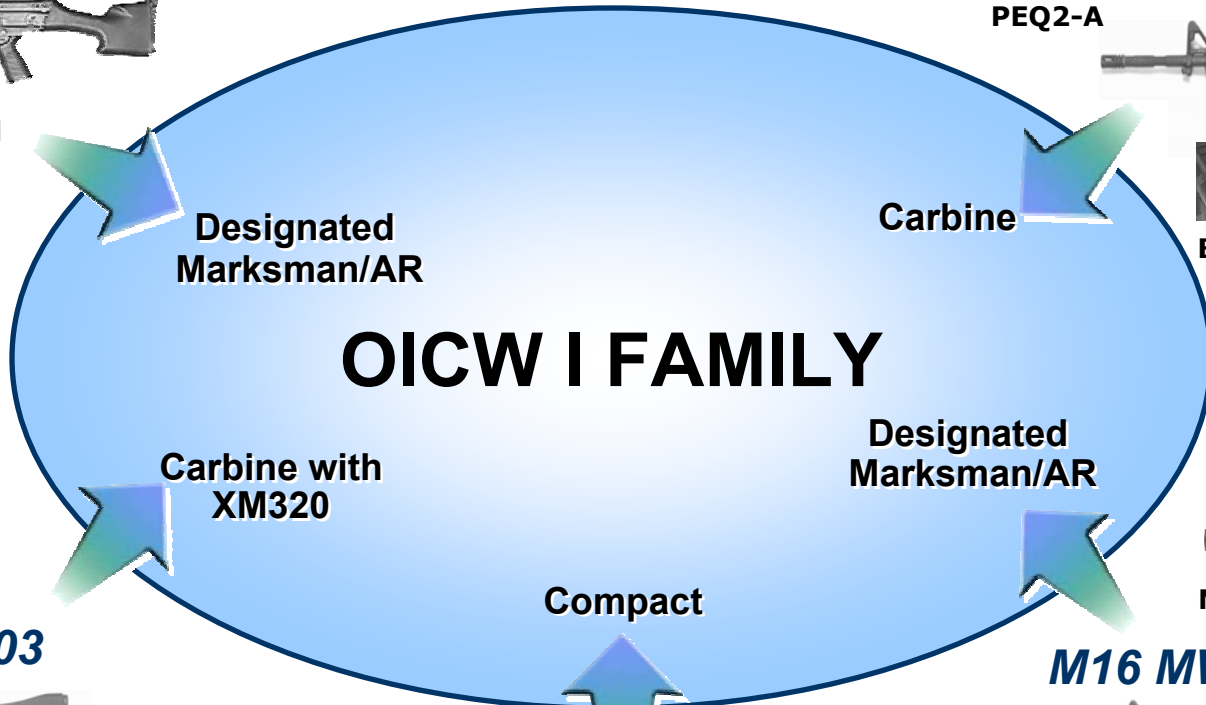
M4 MWS



M68 CCO



BUIS



Designated Marksman/AR

Carbine

Designated Marksman/AR

Compact

Carbine with XM320

M203



Leaf Sight

Quad Sight



M68 CCO



4X ACOG

M16 MWS



BUIS



M9 (Selected)



PEQ2-A



OICW Increment II XM25 Air Burst Weapon System





OICW Increment II (XM25) Capabilities



High Explosive
Air Bursting*

Anti-
Personnel**

Door
Breaching**

Non-Lethal
(Blunt)**



25mm
Low Velocity
Ammo



Armor
Piercing**

Non-lethal
(Airburst)**

Training*

* Current Development
** Future Development

- Semi-automatic rifle
- Family of 25mm ammunition
- Defeat defilade targets
- 300 meter point targets
- 500-700 meters area targets
- Fully integrated target acquisition/fire control
 - 2x thermal sight w/zoom
 - 2x direct view optic
 - Laser rangefinder
 - Ballistic computer
 - Digital compass (cant, bearing, tilt)
 - Fuze setter
 - Internal display
 - Environmental sensors



Future Key Events



- Govt Testing
- Continue design work
- Finalize CDD
- Milestone B
- Transition to SDD



OICW Increment III



Key Features

- **Dual Weapon**
 - **Semi-automatic 25mm HEAB rifle**
 - **Semi-automatic 5.56mm KE rifle**
- **Family of 25mm ammunition**
- **Defeat defilade targets w/Air Burst**
- **300 meter point targets w/ both KE and HE rifles**
- **500-700 meters area targets w/Air Burst rifle**
- **Fully integrated target acquisition/fire control**





XM320 Grenade Launcher Module





XM320 Integration



**OICW
Increment I**



M16A4 Rifle



M16A2 Rifle



M4 Carbine

XM320 Must Accommodate these Weapons



Capabilities



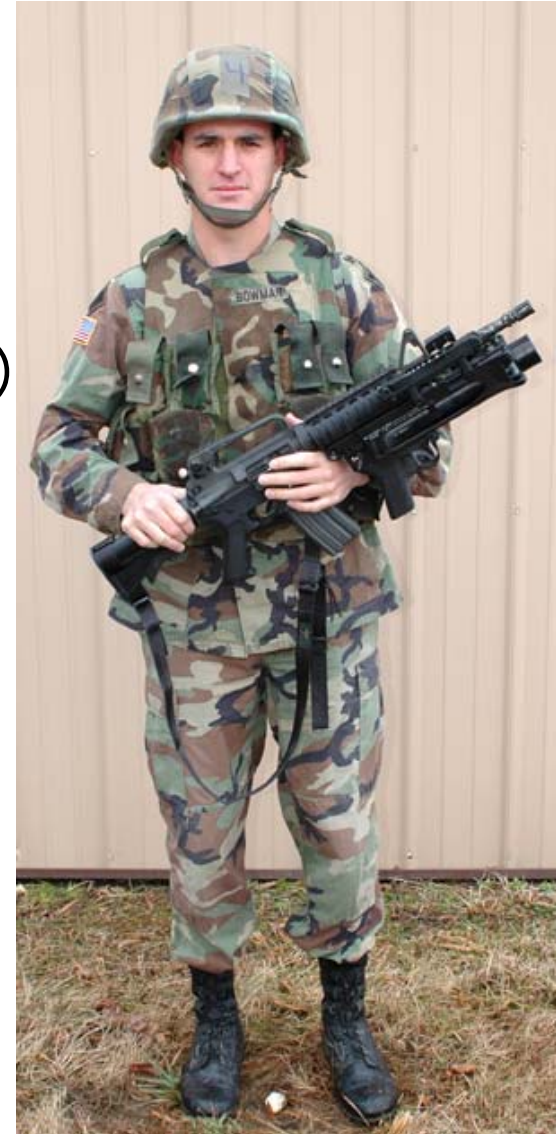
- Quick-attach mounting system - user mounts launcher with no special tools
- Mounts to M4, M16A2, M16A4, and OICW Increment I
- Sights integral to launcher - same accuracy in mounted or stand-alone mode
- Able to fire equally well in daylight or darkness
- Side-loading breach
- Fires all standard U.S. 40mm low-velocity ammunition and longer
- Ambidextrous safety lever and double action-only trigger



Future Key Events



- System Delivery
- Developmental Testing (PPT)
- User Evaluation
- Logistics demo





XM26 MASS





XM26 MASS



**OICW
Increment I**



M16A4 Rifle



M16A2 Rifle



M4 Carbine

XM26 Must Accommodate these Weapons



XM26 Capabilities



- Attaches underneath the barrel of the M4 and M16 Modular Weapon Systems (MWS), and OICW I.
- Provides the capability to fire lethal, non-lethal and door breaching 12 Ga. rounds.
- Be zeroed to the sighting system of the host weapon.
- Provides the lethality equivalent of a standalone 12 Ga. Shotgun.



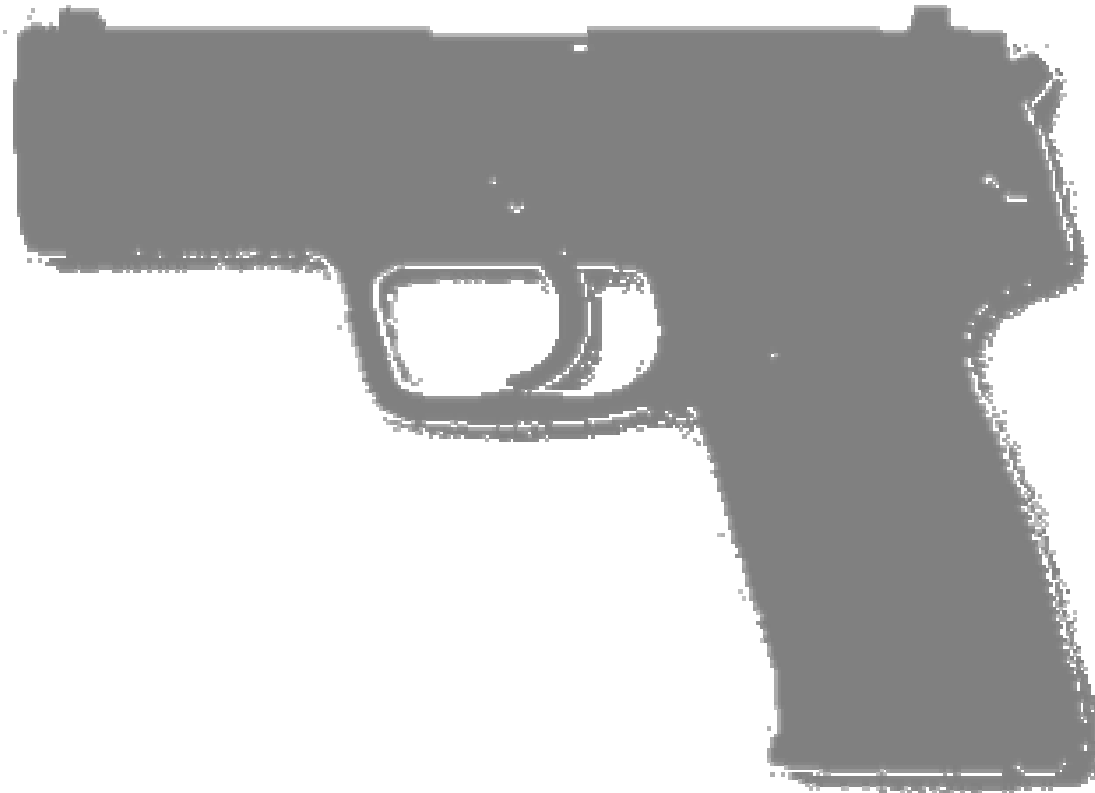
Future Key Events



- Final Proposal Evaluations
- Contract Award
- Deliver Test Samples
- Begin Developmental Testing

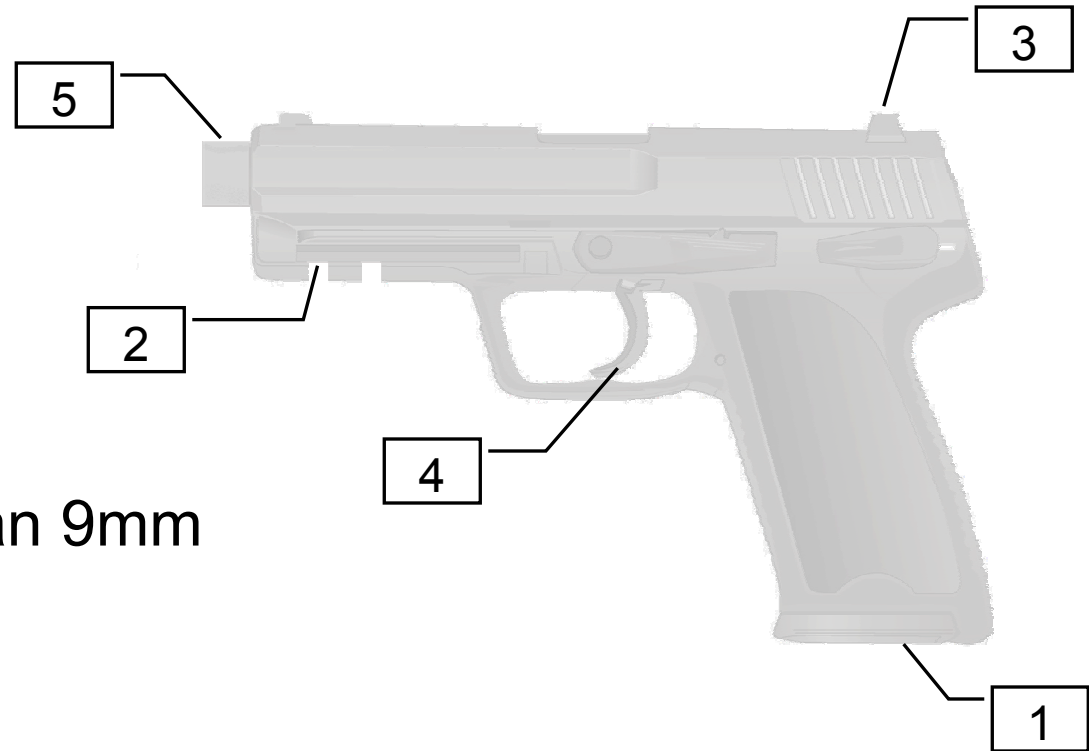


Future Handgun System





Basic Capabilities



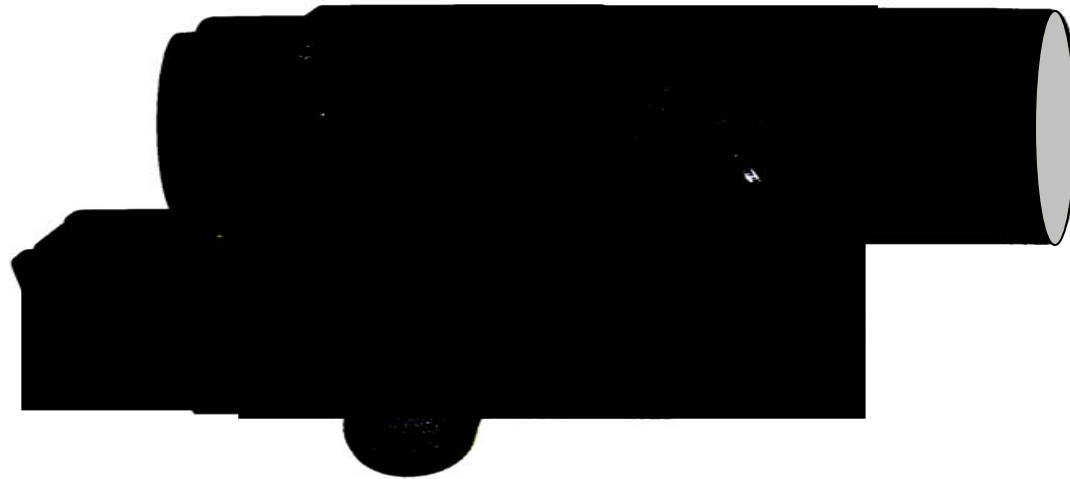
Key Features

- 1: Caliber Larger Than 9mm
- 2: Integrated Rail
- 3: Day/Night Sights
- 4: DA/SA or DAO
- 5: Accept Muzzle Suppressor

Replace current systems beginning late FY07



Magnified Combat Optic





MCO Capabilities



- Multi-Role Optical Rifle Sight
 - Close Quarters and Extended Range
 - Improved Target Detection & Recognition
 - Improved First Round Hit Ability
- M4 Carbine & M16 Rifle to 600 meters
- M249 SAW to 800 meters
- Illuminated Reticle
- Range Estimation Capability



Future Key Events



- Requirement (CPD) Approval
- Milestone B Approval to Enter System Development and Demonstration Phase
- Solicitation Release
- Down-select Process
- Contract Award



Family of Suppressors





Capabilities



- Current 5.56mm and 9mm Weapons
 - M9 Pistol
 - M4 Carbine & M16 Rifle
 - M249 SAW
- Reduced Weapon Firing Signature
 - Noise, Flash, Smoke, Dust
- Easily Installed by Operator
- No Adverse Effects on Weapon Reliability or Performance





Future Key Events



- Requirement Analysis/Approval
- Solicitation Release
- Full & Open Competition
- Contract Award



PM Individual Weapons

Small Arms Symposium May 2005



PM Individual Weapons
Activated 4 November 2002

LTC Matthew T. Clarke
Product Manager Individual Weapons
(973) 724-4695
mclarke@pica.army.mil