PM Individual Weapons

Overview

For

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PM Individual Weapons
Individual Small Arms Path To The Future

M16A2/A4/M4 MWS
M249 SAW
12 Ga Pump Shotgun
M203
M9/M11 Pistol
OICW Incr. II XM25
OICW Incr. II XM25
OICW Incr. III XM29
XM26 Modular Shotgun (MASS)
XM320 Grenade Launcher
Future Handgun
OICW Increment I Family
Variants & Lethality Modules
(Light Machine Gun)
(Compact)
(Designated Marksman)
(Designated Marksman)
OICW I, II, III

OICW Increment I

OICW Increment II

OICW Increment III
Objective Individual Combat Weapon (OICW) Spiral Development Strategy

XM29 Integrated Airburst Weapon System
(Original ORD)

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

- **M4 MWS**
  - PEQ2-A
  - M68 CCO
  - BUIS

- **M16 MWS**
  - M68 CCO
  - 4X ACOG
  - PEQ2-A
  - BUIS

- **OICW I FAMILY**
  - Designated Marksman/AR
  - Carbine
  - Carbine with XM320
  - Compact
  - M203
  - Leaf Sight
  - Quad Sight
  - M9 (Selected)
  - Designated Marksman/AR
OICW Increment II
XM25 Air Burst Weapon System
OICW Increment II (XM25) Capabilities

- 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

Current Development
- High Explosive Air Bursting*
- Door Breaching**
- Armor Piercing**
- Training*

Future Development
- Anti-Personnel**
- Non-Lethal (Airburst)**
- Non-Lethal (Blunt)**
- 25mm Low Velocity Ammo
**Future Key Events**

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

XM320 Must Accommodate these Weapons

M16A2 Rifle

M16A4 Rifle

M4 Carbine
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

OICW Increment I

M16A4 Rifle

XM26 Must Accommodate these Weapons

M16A2 Rifle

M4 Carbine
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
**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
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