Rapid Acquisition of Crew Served Weapons Accessories

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MDNS-CSW Components

PHASE I
- Enhanced Combat Optical Sight – Heavy (ECOS-H)
- Visible Bright Light – Heavy (VBL-H)
- Crew Served Heavy Weapon Aiming Laser (CSHWAL)
- Rail Interface System – Heavy (RIS-H)
- Crew Served Flash Suppressor (CSFS)

PHASE II
- Clip-On Night Vision Sight – Heavy (CNVD-H)
- Ballistic Processor Module (BPM)
- Flat Panel Display (FPD)

Distribution Statement A – Approved for public release; distribution unlimited.
Background

- Defense Acquisition Challenge (DAC) Program: Established by Congress to Increase Introduction of Innovative and Cost-Saving Technologies and Products into Existing DoD Acquisition Programs

- Two DACs Awarded
  - Fully Integrated Fire Control System
  - Improved Flash Hider

- Full & Open Competition of Five Subsystems
- Jan 2010: Solicitation Released
- Aug/Sept 2010: Contracts Awarded
- Nov 2011: Initial Fieldings
Sight, ECOS-H

SU-264/PEQ

- Holographic Sight
- Sight Window 2.4x Larger than SU-231/PEQ
- .50cal Ballistic Reticle
- IR Mode
- Powered by 1 x CR123 Battery

SU-265/PEQ

- Infinite Reflex Optic with Fixed 1X Magnification
- Ballistic Compensation Reticle: 2 x 1 MOA Diameter Dots
- Illumination Adjustment: Auto Mode with Additional 15 Fixed Levels
- Powered by 2 x CR123 Batteries

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Light, VBL-H

- Dual Activation Controls:
  - On/Off Switch on Housing & Wired Remote On/Off Switch
- Fixed Beam
- IR Capable with Filter
- Power Sources
  - Rechargeable, Non-Changeable, Internal Battery
  - One or Two External BA5590 Batteries
  - Vehicle Slave Capability
Laser, CSHWAL

- Provides Long Range Day and Night Aiming and Illumination for Crew Served Weapons
- Separate Power Control Knobs for IR Illuminator and Aiming Lasers
- Designed to Be Operated Remotely
- Power Sources
  - Six CR123 Batteries
  - One BA5590 Battery
  - Vehicle Slave Capability
Rail, RIS-H

- Government Designed (Patent Pending)
- Bolts to MK93 Mount
- Provides 6 Possible Mounting Surfaces Equidistant from Bore
- Designed Failure Point for Overloading
- Cable Management System

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Flash Suppressor, CSFS

- Effective Muzzle Flash Reduction of 95% or More
- Length, 6.1 in
- Weight, 2.4 lbs

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