

Helmet Mounted Night Vision Devices (HMNVD)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Enhances the warfighter's visual ability and situational awareness while successfully engaging and executing operations day or night, whether in adverse weather or visually obscured battlefield conditions.

DESCRIPTION

Helmet Mounted Night Vision Devices (HMNVDs) enable the individual Soldier to see, understand, and act first during limited visibility conditions. These devices include:

The AN/PSQ-20 Enhanced Night Vision Goggle (ENVG)

The AN/PSQ-20 combines the visual detail in low light conditions that is provided by image intensification with the thermal sensor's ability to see through fog, dust, and smoke obscuration. This thermal capability makes the ENVG useful during the day as well as at night. The system is now more compact, enhancing the Soldier's mobility. The ENVG is compatible with aiming lasers currently in

use, allowing for a fully integrated system of thermal, laser and image intensification.

AN/PVS-14 Monocular Night Vision Device (MNVD)

The AN/PVS-14 provides the ability to perform night time operations, while driving, walking, performing first aid, reading maps, and conducting maintenance. The device amplifies ambient light and very near infrared (IR) energy to enable night operations. The system is designed for use in conjunction with rifle-mounted aiming lights.

AN/AVS-6 Aviator's Night Vision Imaging System (ANVIS)

The AN/AVS-6 provides Army aviators the capability to support missions during periods of reduced visibility at night. The device amplifies ambient light from sources such as the moon, stars and sky glow, making the viewed scene clearly visible to the operator. The ANVIS enables the aircrew to maneuver the aircraft during low level, nap-of-the-earth flights, providing the capability to support normal and wartime missions.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **FY12:** Production and fielding
- **FY12:** Fielded to units supporting Operation Enduring Freedom and Operation New Dawn
- **FY12:** Completed AN/PSQ-20 qualification testing, reached Full-rate production decision and issued two production awards
- **FY12:** Full-materiel release decisions
- **FY12:** Award new production contract(s) for AN/AVS-6(v)3
- **4QFY12:** Final Army AN/PVS-14 delivery

PROJECTED ACTIVITIES

- **FY13:** Production and fielding in accordance with Headquarters Department of the Army
- **FY13:** Issue Request for Proposal for follow-on Family of Weapons Sights (FWS) compatible ENVG contract
- **FY13-FY14:** Qualification testing for follow-on FWS compatible ENVG

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Helmet Mounted Night Vision Devices (HMNVD)

FOREIGN MILITARY SALES

PVS-7:

Oman, Romania, Thailand

PVS-14:

United Kingdom

CONTRACTORS

AN/PVS-14:

ITT-Exelis (Roanoke, VA)

L-3 Communications Electro-Optic Systems (Tempe, AZ; Garland, TX; Londonderry, NH)

AN/AVS-6(V)3:

ITT-Exelis (Roanoke, VA)

AN/PSQ-20:

ITT Exelis (Roanoke, VA)

L-3 Insight (Londonderry, NH)

DRS (Melbourne, FL)

Raytheon (Dallas, TX)

