

Night Vision Devices

Enhances the warfighter's visual ability and situational awareness to successfully engage and execute operations day or night, in adverse weather or battlefield obscurant conditions.



DESCRIPTION AND SPECIFICATIONS

The AN/PVS -7D Night Vision Goggle and the AN/PVS-14 Monocular Night Vision Device are head- or helmet-mounted passive devices used by the individual warfighter in close combat, combat support, and combat service support. They amplify ambient light and very near infrared energy for night operations. The systems are designed for use in conjunction with rifle mounted aiming lights. AN/PVS-14 can be mounted to the M16/M4 receiver rail.

	PVS-7	PVS-14
Field of View	≥ 40 degrees	≥ 40 degrees
Weight (maximum)	1.5 pounds	0.88 pounds
Magnification	1 x	1 x
Range	150 meters	150 meters
Operational Time	≥ 15 hours	≥ 15 hours
Power	AA (or BA-5567/U)	AA
Reliability	200 hours	200 hours

The Enhanced Night Vision Goggle (ENVG) is a helmet-mounted passive device for the individual soldier that incorporates image intensification and long-wave infrared sensors into a single, integrated system. ENVG enables missions during daylight, darkness, and degraded battlefield conditions. ENVG improves the soldier's situational awareness by providing the capability to rapidly detect and recognize man-sized targets while simultaneously maintaining the ability to see detail and to use rifle-mounted aiming lights.

ENVG

Image Intensification Detection Range	150 meters
Infrared Sensor Detection Range	150 meters
Total System Weight	2 pounds
Operational Time (with one battery set change)	15 hours

PROGRAM STATUS

AN/PVS-7 and AN/PVS-14:

- **Current** In production and being fielded
- **4QFY04** Phase-in single battery design of AN/PVS-14 into production

ENVG:

- **FY05** Currently undergoing testing and evaluation to support Milestone C decision
- **1QFY05** Reliability growth test

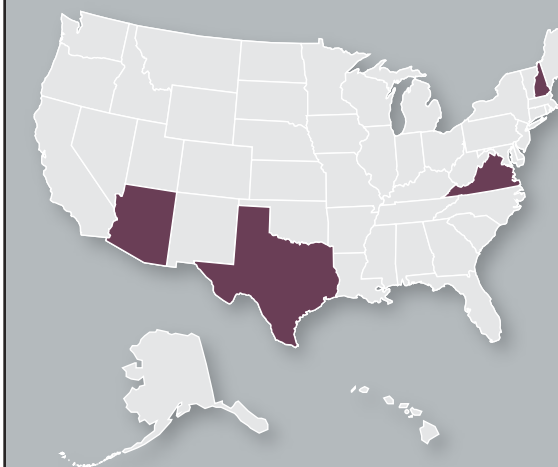
PROJECTED ACTIVITIES

AN/PVS-7 and AN/PVS-14:

- **Ongoing** Planned procurement
- **Ongoing** Fielding in support of Operation Enduring Freedom and Operation Iraqi Freedom deployments
- **Continue** fielding to echelons above division, National Guard, and Reserve

ENVG:

- **2QFY05** Low rate initial production contract with production options award
- **2QFY06** ENVG initial operational testing and evaluation



CONTRACTORS

AN/PVS-7D and AN/PVS-14:

Northrop Grumman (Tempe, AZ; Garland, TX)
ITT Industries (Roanoke, VA)

ENVG:

Northrop Grumman (Tempe, AZ; Garland, TX)
ITT Industries (Roanoke, VA)
Insight Technologies, Inc. (Londonderry, NH)

INVESTMENT COMPONENT

Modernization

ACQUISITION PHASE

- System Development and Demonstration
- Production and Deployment

