

# Advanced Threat Infrared Countermeasures (ATIRCM)

Provides missile warning and electronic countermeasures against infrared guided missiles.



## DESCRIPTION AND SPECIFICATIONS

The AN/ALQ-212 Advanced Threat Infrared Countermeasures (ATIRCM) is a modular system consisting of the AN/AAR-57 Common Missile Warning System (CMWS), infrared (IR) jam head, laser, electronic control unit, improved countermeasure dispenser, and improved countermeasure munitions.

CMWS provides automatic, passive missile detection, threat declaration, crew warning, software reprogramming, false alarm suppression, and cues to other on-board systems, such as dispensers, which may be used for flare decoys. ATIRCM adds active, directional countermeasures via laser, arc lamp, and missile tracker.

As a modular system, the ATIRCM/CMWS can be installed in various configurations:

- With CMWS only, to provide missile warning
- With CMWS and the improved countermeasure dispenser, to decoy/defeat threat missiles
- With the laser and arc-lamp jam head, to create a complete multi-response system to defeat the full threat array

Current plans include integration and deployment of selected configurations on MH-60, MH-47, AH-64, UH-60, CH-47, C-12, RC-12, and UC-35 platforms.

### System weight:

CMWS and improved countermeasure dispenser only:  
55.7 pounds

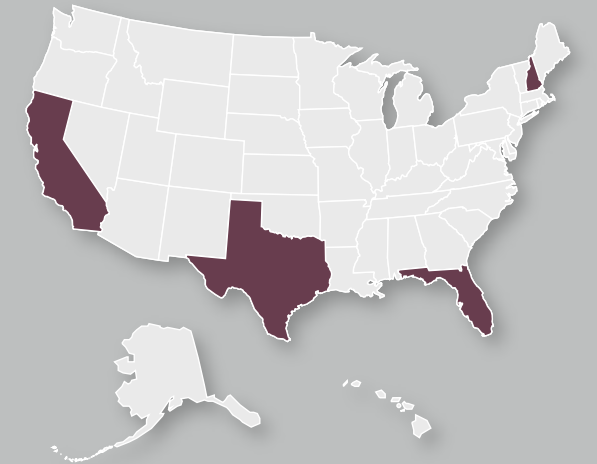
CMWS with ATIRCM: 130.1 pounds

## PROGRAM STATUS

- **4QFY04** Live fire tests at Eglin Air Force Base, Florida
- **2QFY05** CMWS full rate production review

## PROJECTED ACTIVITIES

- **3QFY05** ATIRCM/CMWS operational testing
- **4QFY05** Full-rate production of ATIRCM/CMWS
- **4QFY05** Special Operations Aviation ATIRCM/CMWS first unit equipped



## CONTRACTORS

**ATIRCM/CMWS, ICMD:** BAE Systems (Nashua, NH; Austin, TX)

**Laser:** Northrop Grumman (Winter Haven, FL)

**Tracker:** Raytheon (Fullerton, CA)

## INVESTMENT COMPONENT

Modernization

## ACQUISITION PHASE

- System Development and Demonstration