

# Joint Warning and Reporting Network (JWARN)

Accelerates the warfighter's response to a nuclear, biological, or chemical attack by providing joint forces the capability to report, analyze, and disseminate detection, identification, location, and warning information.

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



## Description & Specifications

The Joint Warning and Reporting Network (JWARN) is a computer-based system designed to collect, analyze, identify, locate, and report information on nuclear, biological, or chemical (NBC) activity and threats from sensors in the field and to disseminate that information to decision-makers throughout the command. Located in command and control centers, JWARN will be compatible and integrated with joint service command, control, communications, computers, intelligence, and surveillance reconnaissance (C4ISR) systems. JWARN's component interface device connects to the sensors, which can detect various types of attack.

JWARN is being developed for deployment with NBC sensors in the following battlefield applications: combat and armored vehicles, tactical vehicles, vans, shelters, shipboard

application, area warning, semi-fixed sites, and fixed sites. The component device relays warnings to C4ISR systems via advanced wired or wireless networks. JWARN reduces the time from incident observation to warning to less than two minutes, enhances warfighters' situational awareness throughout the area of operations, and supports battle management tasks.

The JWARN-Full Capability System will be developed as a single increment. The development phase will be followed by a preplanned product improvement effort, which will include artificial intelligence modules for NBC operations, an upgrade to match future C4ISR systems, and standard interfaces for use with future detectors.

## Program Status

- **Current–1QFY07:** JCID wireless development and GCCS development and testing

## Projected Activities

- **2QFY07–4QFY07:** JWARN developmental testing and operational assessment
- **2QFY08:** JWARN full rate production

## ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

