

# Joint Warning and Reporting Network (JWARN)

## INVESTMENT COMPONENT

- Modernization
- Recapitalization
- Maintenance

### MISSION

To accelerate 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.

### DESCRIPTION

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 on mobile and fixed platforms, JWARN will be compatible and integrated with joint service command, control, and communications, computers, intelligence, and surveillance reconnaissance (C4ISR) systems. JWARN’s component interface device connects to the sensors, which can detect various types of attack. 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.

#### Block I

Initial acquisition and fielding of commercial off-the-shelf and government off-the-shelf software as standard for Armed Services.

#### Block II

Integration of NBC legacy and future detector modules, and NBC battlefield management modules

### SYSTEM INTERDEPENDENCIES

Capable of two-way interface with current and planned individual service (C4ISR) hardware and software. JWARN will be compatible with Allied Technological Publication 45 (ATP-45).

### PROGRAM STATUS

- **1QFY10:** JWARN full-rate production decision

### PROJECTED ACTIVITIES

- **2QFY10:** Continue production and deployment

## ACQUISITION PHASE

- Technology Development
- Engineering & Manufacturing Development
- Production & Deployment
- Operations & Support

## Joint Warning and Reporting Network (JWARN)

### FOREIGN MILITARY SALES

None

### CONTRACTORS

Bruhn New-Tech (Ellicott City, MD)  
 Northrop Grumman Information Technology (NGIT) (Winter Park, FL)

