

Joint Warning and Reporting Network (JWARN)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Accelerates the warfighter's response to a chemical, biological, radiological, or nuclear (CBRN) 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 application that networks CBRN sensors directly with Joint and service command and control systems to collect, analyze, identify, locate, and report information on CBRN activity and threats, and to disseminate that information to decision-makers throughout the command.

JWARN's Mission Application Software (JMAS) will be compatible and integrated with Joint service command, control, communications, computers, intelligence, and surveillance reconnaissance (C4ISR) systems. It will generate warning and dewatering information to affected forces via nuclear, biological, and chemical (NBC)

reports, Allied Tactical Publication (ATP)–45 hazard plots, and integrates with the Joint Effects Model (JEM) to provide detailed hazard prediction plume overlays. JWARN automates the recording and archiving of exposure data for effective force protection. It reduces the time from incident observation to warning to within two minutes, enhances warfighters' situational awareness throughout the area of operations, and supports battle management tasks.

JWARN's component interface device connects to the sensors, and relays warnings to C4ISR systems via advanced wired or wireless networks.

SYSTEM INTERDEPENDENCIES

In this Publication

Global Command and Control System–Army (GCCS-A), Joint Effects Model (JEM), Force XXI Battle Command Brigade and Below (FBCB2)

Other Major Interdependencies

Battle Command Common Services (BCCS), Command Post of the Future (CPOF), Maneuver Control System (MCS)

PROGRAM STATUS

- **4QFY10:** JWARN 1.0 full deployment decision (GCCS-J, GCCS-A, C2PC, JEM)
- **4QFY10:** Production and deployment begins
- **4QFY10:** JWARN 1.0 initial operational capability

PROJECTED ACTIVITIES

- **FY11:** Continue production and deployment
- **FY11:** MCS/CPOF/BCCS and FBCB2/JCR interoperability testing
- **1QFY11:** JWARN 1.0 GCCS-M operational testing

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Joint Warning and Reporting Network (JWARN)

FOREIGN MILITARY SALES

None

CONTRACTORS

Northrop Grumman Information Technology (Orlando, FL)

