Joint Warning and Reporting Network (JWARN)

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, surveillance, and reconnaissance (C4ISR) systems. It will generate warning and dewarning information to affected forces via nuclear, biological, and chemical reports, Allied Tactical Publication-45 hazard plots, and integrates with the Joint Effects Model 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)

Other Major Interdependencies
Global Command and Control System-Joint (GCCS-J), Joint Tactical Common Operational Picture (COP) Workstation (JTCW)/Command and Control Personal Computer (C2PC)

PROGRAM STATUS
• 1QFY11: Increment 1 full deployment decision

PROJECTED ACTIVITIES
• FY12-FY14: Continue deployment
Joint Warning and Reporting Network (JWARN)

FOREIGN MILITARY SALES
None

CONTRACTORS
Northrop Grumman Information Systems
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