

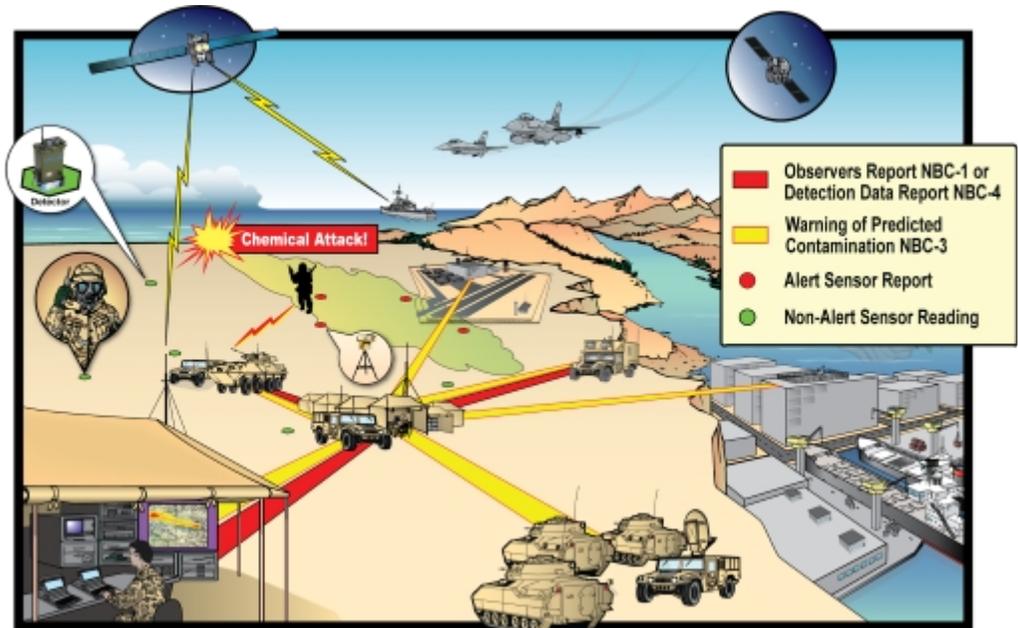


Joint Warning and Reporting Network

JWARN

Description

JWARN is a computer-based application that integrates CBRN data and facilitates sensor information into Joint and Service C2 systems for battlespace situational awareness. JWARN incorporates sensor alert information and CBRN observation reports from the field, then generates a plot of the hazard area, displays it on the Common Operational Picture (COP), and generates the warning message to units. JWARN replaces the manual processes of incident reporting and hazard plot generation, and warning of affected forces. JWARN reduces the time from incident observation to warning to less than two minutes, enhances situational awareness throughout the area of operations, and supports Warfighter battle management tasks.



Mission

The JWARN mission is to enable an immediate and integrated response to threats of contamination by weapons of mass destruction or CBRN incidents through rapid warning and dissemination of CBRN information. JWARN will enhance situational awareness throughout the area of operation, and support Warfighter battle management.

Warfighter support functions:

- In addition to its warning and reporting capability, JWARN interfaces with the Joint Effects Model (JEM) to produce highfidelity hazard predictions based on terrain and weather to direct CBRN reconnaissance/survey teams.
- Automatically generates ATP45 hazard area plot information and publishes to the COP.
- Correlate sensor alert information and observation reports into warnings to affected units.
- JWARN enables the flow of information from the detector to the decisionmakers and back to the Warfighter.
- Allows NBC (NBC1/NBC4) reports to be formatted and transmitted within 2 minutes on Service and Joint C2 systems over established communication links.
- Operator selection of automatic, delayed or oncommand forwarding of all NBC reports and automates archiving of exposure data for effective force protection.
- Consolidate sensor readings to generate and report actual hazard area contours.

Capabilities

- Integrated Early Warning

Users

Reserves, Civil Support Teams, US Navy, US Marine Corps, US Army, US Air Force

Status

Production and Deployment

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