

Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV) –Stryker Sensor Suites

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

Performs nuclear, biological, and chemical (NBC) reconnaissance and locates, identifies, marks, samples, and reports NBC contamination on the battlefield.

DESCRIPTION

The Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV)–Stryker is the chemical, biological, radiological, and nuclear (CBRN) reconnaissance configuration of the Infantry Carrier Vehicle in the Stryker Brigade Combat Teams (SBCTs), Heavy Brigade Combat Teams (HBCTs), and Chemical Companies.

The NBCRV-Stryker Sensor Suite consists of a dedicated system of CBRN detection, warning, and biological-sampling equipment. The NBCRV detects chemical, radiological, and biological contamination in its immediate environment through a variety of mechanisms which include: 1.) Chemical Biological Mass Spectrometer (CBMS), 2.) Automatic Chemical Agent Detector Alarm (ACADA), 3.) AN/VDR-2 Radiac

Detector, 4.) AN/UDR-13 Radiac Detector, 5.) Joint Biological Point Detection System (JBPDS), and 5.) at a distance, through the Joint Service Lightweight Standoff Chemical Agent Detector (JSLSCAD).

It automatically integrates contamination information from detectors with input from onboard navigation and meteorological systems and transmits digital NBC warning messages through the vehicle's command and control equipment to warn follow-on forces. NBCRV can collect samples for follow-on analysis.

SYSTEM INTERDEPENDENCIES

In this Publication

None

Other Major Interdependencies

ACADA, AN/UDR-13 Radiac Detector, CBMS, Chemical Vapor Sampler System (CVSS), JSLSCAD, Nuclear Biological Chemical Sensor Processing Group (NBCSPG)

PROGRAM STATUS

- **Current:** Full-rate production approved Dec 2011
- **Current:** Fielding to SBCT, select Active component HBCT and Chemical Companies

PROJECTED ACTIVITIES

- Fielding to select Active component and Reserve component HBCTs and Chemical Companies

ACQUISITION PHASE

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

Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV)– Stryker Sensor Suites

FOREIGN MILITARY SALES

None

CONTRACTORS

Prime Vehicle:

General Dynamics Land Systems
(Sterling Heights, MI)

Sensor Software Integrator:

CACI Technologies (Manassas, VA)

