

Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV)–Stryker

Delivers accurate, rapid combat information by detecting, sampling, identifying, marking, and reporting the presence of chemical, biological, radiological, and nuclear and toxic industrial material hazards.



DESCRIPTION AND SPECIFICATIONS

The Nuclear Biological and 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 Team. It will be the Army's principal manned, automated reconnaissance, surveillance, monitoring, marking, reporting, and sampling system in corps and division elements and echelons above corps. It will operate in all geographical areas, adverse weather, and under all types of battlefield conditions.

NBCRV uses government off-the-shelf military hardware and some systems still in development. Its sensor suite provides overmatching capability on a common platform through the use of a single, integrated reconnaissance and surveillance system. The Joint Service Lightweight Standoff Chemical Agent Detector (JSLSCAD), Chemical Biological Mass Spectrometer (CBMS) Block II, and Force XXI Battle Command Brigade and Below (FBCB2) are examples of programs currently in development. Some are in production, such as the Joint Biological Point Detection System (JBPDS), M22 Automatic Chemical Agent Alarm, AN/VDR-2 radiation, detection, indication and computation (RADIAC), AN/UDR 13 pocket RADIAC, and other non-nuclear, biological, and chemical (NBC) equipment such as the Precision Lightweight GPS Receiver.

NBCRV will have the capability to detect and collect CBRN and toxic industrial material (TIM) contamination in its immediate environment on the move through point detection (CBMS and JBPDS), and at a distance through the use of a standoff detector (JSLSCAD). It automatically integrates contamination information from detectors with input from on-board navigation and meteorological systems and automatically transmits digital NBC warning messages through the Maneuver Control System to warn follow-on forces.

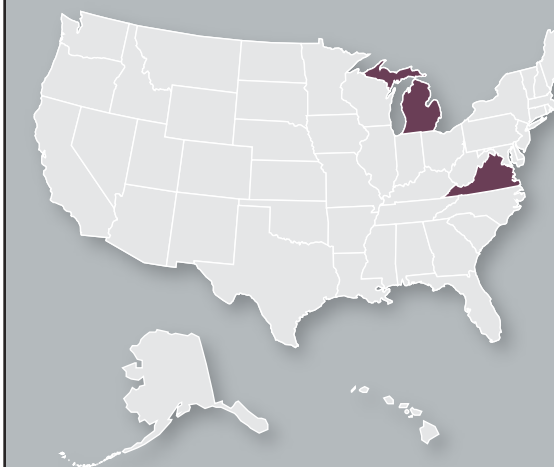
NBCRV may replace the need for separate M93A1 Fox NBC Reconnaissance Systems and Biological Integrated Detection Systems.

PROGRAM STATUS

- **PLEASE PROVIDE RECENT ACTIVITIES**
3QFY03-2QFY05

PROJECTED ACTIVITIES

- **3QFY05-1QFY06** Product verification test
- **3QFY05-4QFY05** Live-fire test and evaluation
- **2QFY06-3QFY06** Initial operational test and evaluation



CONTRACTORS

Prime Vehicle:

General Dynamics Land Systems
(Sterling Heights, MI)

Sensor Software Integrator:

CACI Technologies (Manassas, VA)

INVESTMENT COMPONENT

Modernization

ACQUISITION PHASE

- System Development and Demonstration