

# Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV)–Stryker Sensor Suite

## 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, Heavy Brigade Combat Teams, and chemical companies.

The NBCRV-Stryker Sensor Suite consists of a dedicated system of CBRN detection, warning, and biological-sampling equipment on a Stryker vehicle (high speed, high mobility, armored carrier). The NBCRV detects chemical, radiological, and biological contamination in its immediate environment through the Chemical Biological Mass Spectrometer (CBMS), Automatic Chemical Agent Detector Alarm (ACADA), AN/VDR-2 Radiac

Detector, AN/UDR-13 Radiac Detector, Joint Biological Point Detection System (JBPDS), and at a distance, through the use of 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

Joint Biological Point Detection System (JBPDS)

### 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

- **FY09–10:** Additional low-rate initial production
- **FY10:** Initial operational test and evaluation

## PROJECTED ACTIVITIES

- **FY11:** Full-rate production

## ACQUISITION PHASE

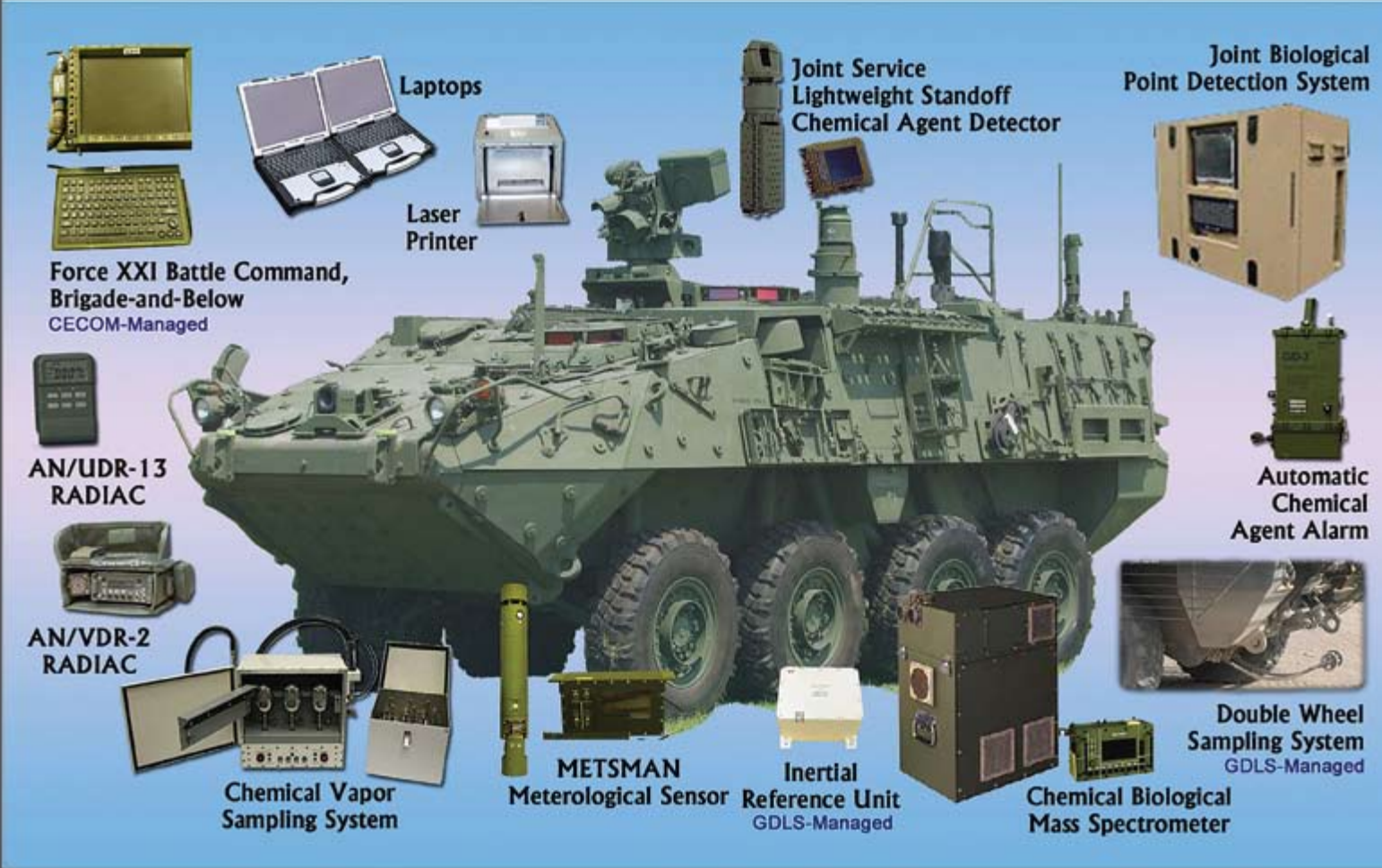
Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

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### FOREIGN MILITARY SALES

None

### CONTRACTORS

#### Prime Vehicle:

General Dynamics Land Systems  
(Sterling Heights, MI)

#### Sensor Software Integrator:

CACI Technologies (Manassas, VA)

