

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 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

Stryker Family of Vehicles, 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

- **1QFY11-2QFY11:** NBCRV Platform Operational Testing
- **3QFY11:** Platform Live Fire Testing

PROJECTED ACTIVITIES

- **1QFY12:** Full-Rate Production
- **1QFY12:** Full Materiel Release

ACQUISITION PHASE

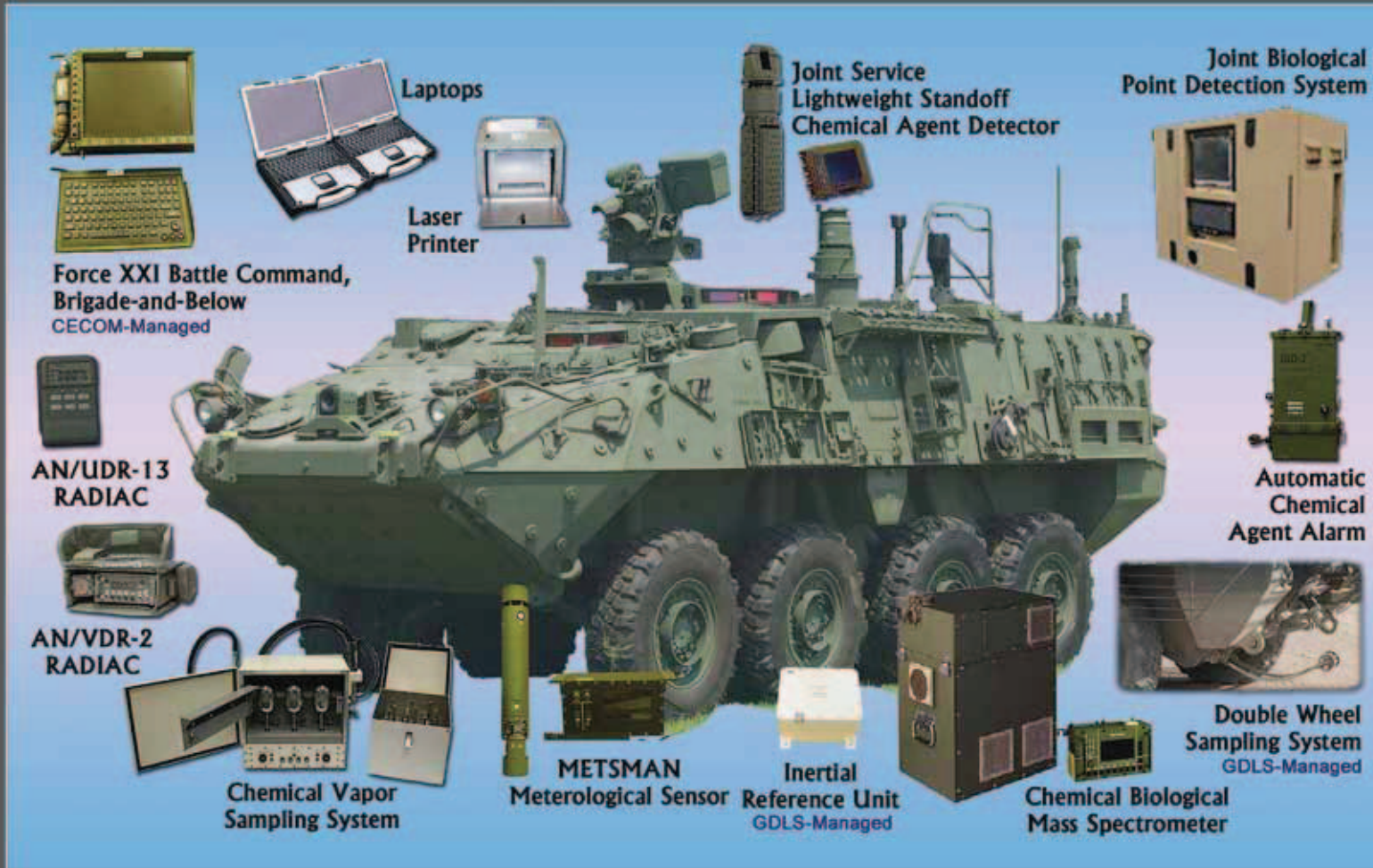
Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and 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)

