



NBC Reconnaissance Vehicle Sensor Suite

NBCRV

Description

The Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV) sensor suite is a dedicated system of nuclear and chemical detection and warning equipment and biological sampling equipment. The sensor suite is integrated into a high speed, high mobility, armored carrier capable of performing NBC reconnaissance on primary, secondary, or cross country routes throughout the battlefield. The NBCRV sensor suite has the capability to detect and collect chemical and biological contamination in its immediate environment, on the move, through point detection Chemical Biological Mass Spectrometer II (CBMS II) and Joint Biological Point Detection System (JBPDS), and at a distance through the use of a stand-off detector, the Joint Service Lightweight Stand-off Chemical Agent 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 vehicle's command and control equipment to warn follow-on forces.

Stryker NBCRV Technology



Mission

Perform NBC Reconnaissance. Locate, identify, mark, sample and report NBC contamination on the battlefield.

Capabilities

- On-the-move point and stand-off chemical vapor detection
- On-the-move meteorological sensor
- Automatic transmission of digital NBC warning messages through the Vehicle C2 Systems to warn follow-on forces

Users

US Army

Status

Production and Deployment

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Point of Contact: Chemical, Biological, Radiological, & Nuclear Information Resource Center (CBRN IRC), CBRN.IRC@mail.mil,
Toll Free: 1-800-831-4408, Commercial: (309) 782-7349, DSN: 793-7349, Fax: (309) 782-1919