



## Dismounted Reconnaissance Sets Kits and Outfits

### DR SKO

#### Description

The Dismounted Reconnaissance Sets, Kits and Outfits (DR SKO) objectives include identifying potential Weapons of Mass Destruction (WMD) and/or WMD precursors and determining levels of protection required to access or inhabit a sensitive site. The system supports dismounted Reconnaissance, Surveillance, and CBRN Site Assessment missions to enable more detailed CBRN information reports for commanders. These site locations may be enclosed or confined, and therefore are otherwise not accessible by traditional CBRN reconnaissance mounted platforms. CBRN site assessments provide situational awareness to planners in determining if more thorough analysis such as sensitive site exploitation (SSE) is required to mitigate risks or gather intelligence on adversaries' Chemical Warfare Agents (CWA), Biological Warfare Agents (BWA) or TIC capabilities.



#### Mission

Perform CBRN Dismounted Reconnaissance, Surveillance, and Site Assessment of a WMD suspect area not accessible by traditional CBRN reconnaissance mounted platforms.

#### Capabilities

- Detection and Identification of liquid, solid and vapor Chemical Warfare Agents (CWA) and Toxic Industrial Chemicals
- Detection of Volatile Organic Compounds, Oxygen Levels & Lower Explosive Limits for Combustible Gases
- Detect trace levels of particles originating from explosive material
- Detect 2 biological toxins in water to support reconnaissance operations (Handheld Assays)
- Presumptive detection and identification of 8 Biological Warfare Agents (Handheld Assays)
- Measure radiation intensity and identify gamma emitting isotopes for survey and monitoring
- Detect alpha, beta, gamma, neutron, and x-ray radiation and measure doses of gamma and neutron radiation
- Collect solid, liquid and vapor samples to confirm/deny presence of CBRN-E contamination
- Mark CBRN hazards so they may be visible during day or night conditions
- Decontaminate personnel and isolate contaminated materiel to minimize exposure
- Provides NIOSH/OSHA/NFPA approved Level A, Class II, and Class III protective ensembles for up to 60 minute missions. Includes protective clothing and Self Contained Breathing Apparatus (SCBA).
- Provides breathable air recharging capability for SCBA cylinders
- Provides a NIOSH certified Powered Air Purifying Respirator (PAPR) when SCBA not required
- Provides capability to document site using digital images and video and store, update, and digitally display photos, sketches, plans, decision support tools, and references materials
- Provides a handheld-portable meteorological device to collect/display of meteorological data
- Provides power and lighting adequate to support reconnaissance and survey operations
- Provide ability to transport/evacuate up to 250 lbs of personnel/equipment
- Provide intrinsically safe radio for on-site command and control compatible with the PPE/SCBA
- Five configurations to support the Army, Navy, Air Force, Marine Corps, and WMD CSTs

#### Users

Reserves, National Guard Bureau, Civil Support Teams, US Navy, US Marine Corps, US Army, US Air Force

#### Status

Production and Deployment

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