

Communications



UCS

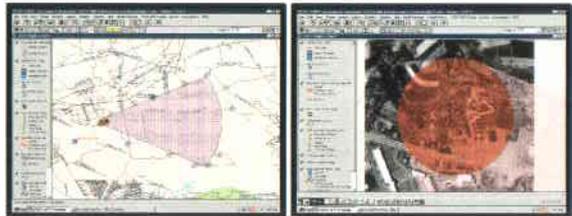


ADVON

Civil Support Team communications are comprised of a Unified Command Suite (UCS) and ADVON vehicle. Capabilities consist of Ku satellite systems, secure and non-secure voice and data, wireless compatible (802.11), video teleconferencing, UHF, VHF, HF and 800Mhz networks. Systems can be configured on the fly to meet IC

HAZARD Prediction Modeling JEMS / HPAC

Calculate the dispersion of hazardous chemicals, biological agents and radioactive materials Consider the effects of weather and terrain Produces Plume Models, "Street by Street" hazard prediction, lethal effects on population, recommends exclusion zone.



MISSION

The CST provides no-cost support to civil authorities at a potential domestic Chemical, Biological, Radiological, Nuclear, (CBRN) incident by:
Identifying CBRN agents & substances
Assessing current and projected consequences
Advising on response measures
Assisting with appropriate requests for additional state and Federal support

Team Member Qualifications

- Over 1,800 hours of training per Team Member
- CBRNE: Chemical, Biological, Radiological and Nuclear incident response training
- HAZMAT: 100% Hazmat Technician trained
- MEDICAL: Nationally Registered EMTs
- Trained by: US Army Chemical School, Defense Nuclear Weapons School, FEMA, NFA, EPA, DoD, FBI, DOE



3rd Weapons of Mass Destruction Civil Support Team



"One Team, One Fight!"

Bldg 11-59, Ft. Indiantown Gap
Annville, PA 17003-5002
(717) 861-2623

Analytical Lab System



Digital Fluorescent Microscope



Shimadzu GC/MS



PCR

Laboratory containing GC/MS for identifying volatile organic compounds (VOC), FT-IR for liquids, pastes and powders, PCR for DNA amplification of biological agents, polarizing and fluorescent microscopy, sample prep- Level III Glove Box and linked to secure and

Medical Recovery



Medical Recovery Vehicle (MRV) designed to facilitate the treatment of Team members up to and including ACLS treatment capability. Staffed by Physician Assistant and EMT. Maintains a CBRN Medical Reference Database



CHEMICAL DETECTION

Military and civilian equipment capable of point detection and area detection via remote sensors. Portable GC/MS for VOC hot zone analysis. Raman and IR technology for complementary identification of liquids, powders, solids, gels and pastes.



APD-2000



ACADA



MultiRae



AreaRae



HAPSITE



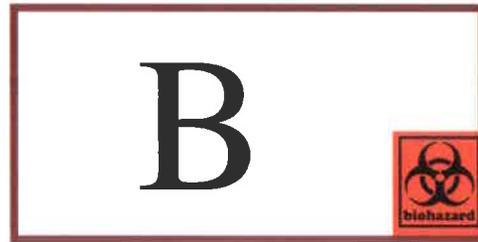
Shimadzu GC/MS



First Defender



HAZMAT ID



BIOLOGICAL

Military and civilian equipment capable of collecting and identifying biological materials. The process is accomplished through DNA amplification, microscopy and immunoassay technologies.



PCR



Fluorescent
Microscope



M1M



HHA



BT-650



DFU 2000



RADIOLOGICAL DETECTION

Military and Civilian Equipment capable of detecting Alpha, Beta, Gamma and Neutron radiation. Isotope identification and detection down to Micro (R)adiation levels. Radiation portal monitor for decontamination.



Ludlum 2241-2



Identifinder



Ludlum 19



PDR-77



VDR-2



UDR-13



TLD



TECHNICAL / VIP

Decontamination operations in accordance with established guidelines. Capable of performing wet or dry decon operations depending on agent or weather. Emergency decon line will accommodate ambulatory and non-ambulatory individuals. Capable of establishing a VIP corridor upon request.



Personal Protective



Level A, B and C Protective Gear

Draeger SCBA (1 hr) and Rebreathers
(3+ hr)

Military Chemical Protective Over
Garment