



HR0900093



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During Desert Storm I he assisted in the development of rapid collection and detection systems for BW agents, as well as generic bacteria detection for the initial Biological Detection System. Dave is a member of the US Department of Homeland Security working group on rapid biological detection.

70. DEMONSTRATION EXERCISE "CAVTAT 09"

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The demonstration exercise is to show a terrorist attack in urban area resulting in a certain number of injured people. On 7th April 2009 a terrorist group HAL 9000 is in Cavtat and set up an explosive devices with chemical reagents in several spots with intention to activate them and cause great number of victims.

On the same day, in area of the Cavtat Croatia Hotel, which is hosting the world CBMTS Congress, Cavtat Police Station notice several masked persons, in escapement. Hotel personnel alerted the County 112 Center about noticed devices placed by chlorine dioxide tanks, for water conditioning.

Intervention police came to block entrance to this area and evacuate hotel's guests and congress members. An explosion and fire occurs from where the position of water-conditioning plant and chlorine dioxide tank. The 112 Center alarms firefighters for fight fire and decontamination action and HAZMAT Civil Support Team from Georgia (participated the congress).

In the meantime, guests have been instructed not to leave their rooms and to hermetically close doors and windows with available material to keep away potential toxic fume.

Decision makers form the County Protection and Rescue Headquarters monitors the situation till the end of alert for the population in the area of Cavtat.

Key words/Phrases: terrorist attack, hazard material, evacuation, decontamination, crisis management



Mr Damir Trut is CBMTS Industry VI director.

He graduated on High airplane school as engine engineer of electronic 1983. 2000 he graduated High school of security and he is M. Sc. of technical sciences in the security expert field. He also graduated on George Marshal Centre in Germany as executive functionary.

Damir Trut is representative of the Republic of Croatia in the Higher NATO Council for Civil Planning of Catastrophes and representative in the EU Council of Civil Protection general directors.

71. OPERATION THE LABORATORY FOR NBC PROTECTION AND BIOMONITORING IN THE CASE OF TERRORIST ATTACK WITH NBC WEAPONS

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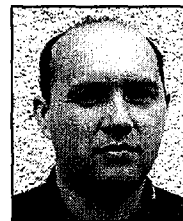
The aim of this study was to develop efficacy of Operation the Laboratory for NBC protection and Biomonitoring in the case of terrorist attack with chemical weapons. When is necessary quickly, adeptly Operation and unambiguous confirmation about use chemical warfare agent, the Laboratory must be ready and qualified for reaction.

The Laboratory had to develop capability for the timely sampling and unambiguous identification chemical warfare agents in a battlefield or in case of the terrorist attack.

The need for quality sample collection and analyses is critical to verify use of chemical weapon (CW) by an enemy or terrorists. Collection, packaging, transport and analysis of samples must be carried out on proper way and quickly enough for military, medical or political purposes. Precise records must accompany each sample but these records must not contaminate samples anyway.

All sampling team personnel have to be equipped with appropriate equipment and qualified in its handling. After arriving samples at our Laboratory, we will handle with them on standard procedures; carry out preparation such as Headspace, Liquid/liquid extraction, Solid phase extraction, Liquid/solid extraction, concentration and derivatization. After that we will analyze samples by gas-chromatography mass-spectrometry (GC/MS) method.

Key Words/ Phrases: Biomonitoring, Chemical Warfare Agents, Sample Collection, gas-chromatography mass-spectrometry (GC/MS) method



Dragutin Tušek is B.Sc. of Chemistry, advisor for Chemical Protection, and works in the Institute of Researches and Development of Defense Systems, Laboratory for NBC protection and Biomonitoring in Croatian Ministry of Defense. He frequented Finish Defence Forces International Centre, Niinisalo, an OCC E&F Evaluator Training Course and WSC, Istanbul, CJTF Simulation Training.